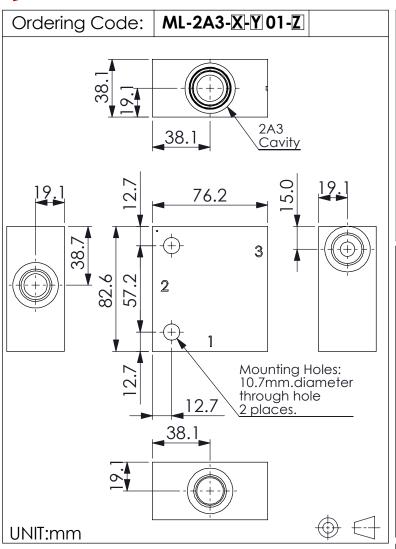


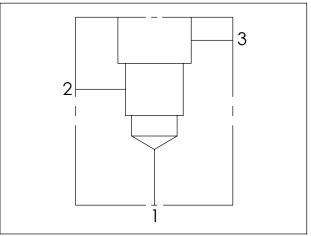


BLOKI PRZYŁĄCZENIOWE DO ZAWORÓW CIŚNIENIOWYCH









### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 2A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.53	kg(WITHOUT VALVES)
Ductile Iron	1.4	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

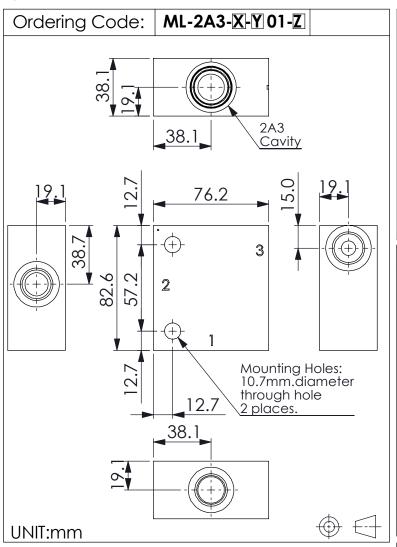
	PORT SIZE			
X	PORTS	PORT		
	1,2	3		
G04A	G 1/2"	G 1/4"		
G06A	G 3/4"	G 1/4"		

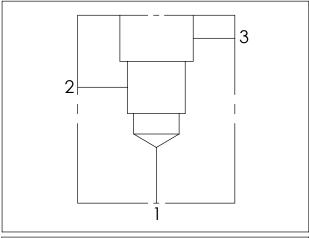
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	Z CARTRIDGE VALVES SELECTION		
RV3A			
СВЗН	CB2A33HL (3:1 , 7-280bar)		
CO03	CO2A3003N (120LPM ,0.3bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure pressure







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 2A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.53	kg(WITHOUT VALVES)
Ductile Iron	1.4	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

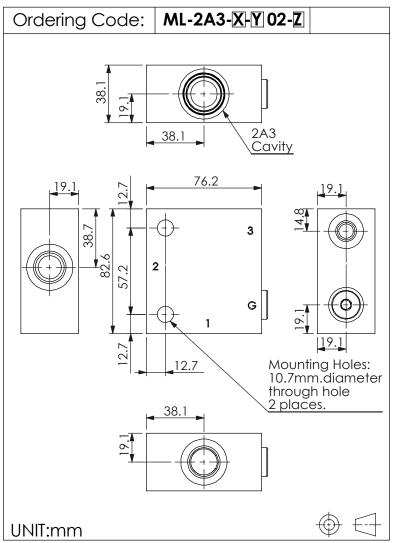
	PORT SIZE			
X	PORTS	PORT		
	1,2	3		
G04	G 1/2"	G 1/2"		
G06B	G 3/4"	G 1/2"		
P03	3/8"PT	3/8"PT		
P04	1/2"PT	1/2"PT		

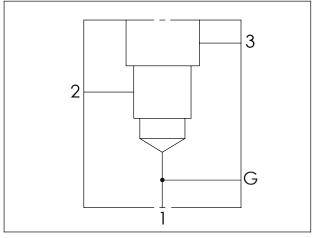
Y	BODY MATERIAL		
A HIGH-STRENGTH ALUMINUM			
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
PPOA PP2A30AL (80LPM,7-210bar)			
<b>PD0A</b> PD2A30AL (80LPM,50-210bar)			
The selection is only example. Please refer to Winner			

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \( \text{pressure} \) \( \text{...} \) etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

### Cavity:

#### Refer to 2A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.53	kg(WITHOUT VALVES)
Ductile Iron	1.4	kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

	PORT SIZE			
X	PORTS	PORT	PORT	
	1,2	3	G	
G04AG	G 1/2"	G 1/4"	G 1/4"	

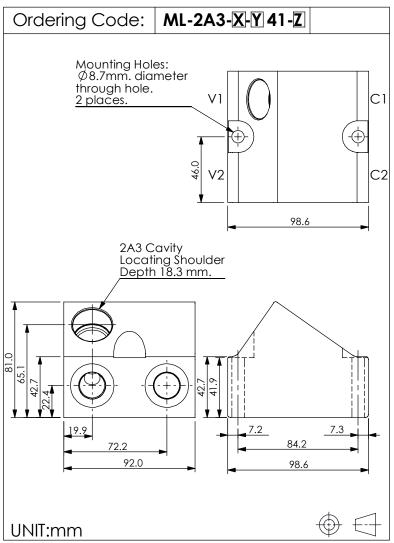
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

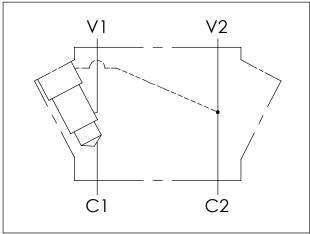
Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			
RV30	RV2A30AL (120LPM,7-210bar)			
СВЗН	CB2A33HL (3:1 , 7-280bar)			
CO03	CO2A3003N (120LPM ,0.3bar)			
SPOA	SP2A30AL (120LPM,7-210bar)			
The selection is only example Please refer to Winner				

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)

Rev.120116 M.02A.401







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

# Cavity:

#### Refer to 2A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.25	kg(WITHOUT VALVES)
Ductile Iron	3.5	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	PORT SIZE		
X	PORTS	PORTS	
	V1,V2	C1,C2	
G04	G 1/2"	G 1/2"	

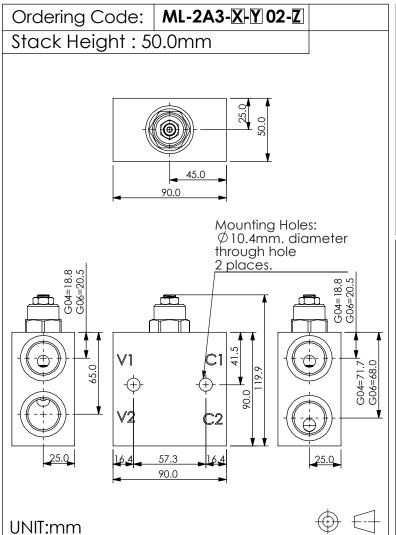
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

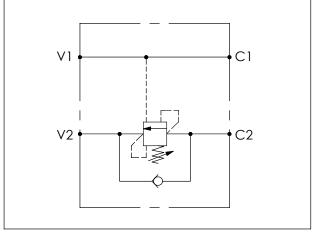
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
СВ3Н	CB2A33HL (3:1 , 7-280bar)		
CO03	CO2A3003N (120LPM ,0.3bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow  $\cdot$  pressure  $\cdot$  ... etc.)

Rev.120116 M.02A,701







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

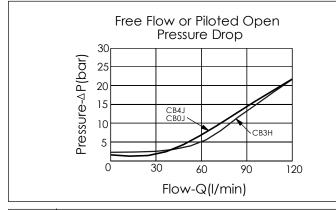
Rated flow: 120 I/min

### Cartridge Valve: Refer to CB2A-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.83 kg(WITHOUT VALVES) 1.23 kg(INCLUDE VALVES)	
Ductile Iron	2.31 kg(WITHOUT VALVES) 2.71 kg(INCLUDE VALVES)	

\* If you need the special specification. Please contact us.



	PORT SIZE		
X	PORTS	PORTS	
	V1,V2	C1,C2	
G04	G 1/2"	G 1/2"	
G06	G 3/4"	G 3/4"	

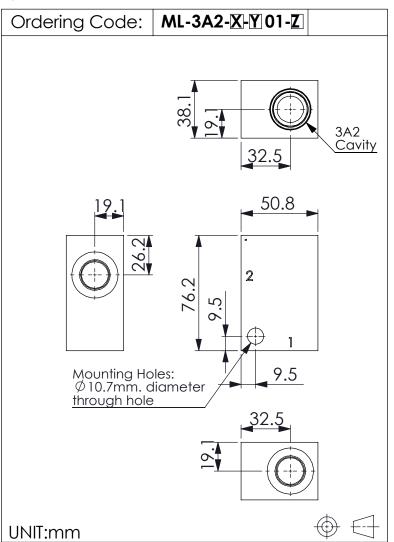
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON
	,

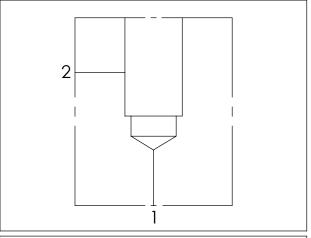
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
СВЗН	CB2A33HL (3:1 , 280bar)		
CB4J	CB2A34JL (4.5:1 , 350bar)		
CB0J	CB2A30JL (10:1 , 350bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

Rev.120217 M.02A.801







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 3A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.35 kg(WITHOUT VALVES)
Ductile Iron	0.90 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

Υ	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM

	PORT SIZE		
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	
G06	G 3/4"	G 3/4"	
P03	3/8"PT	3/8"PT	

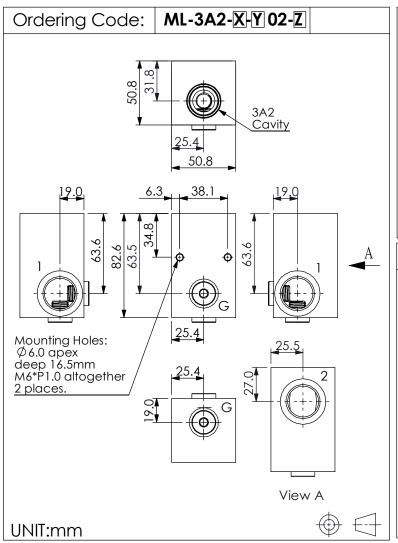
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RPOA	RP3A20AL(200 LPM,7~210 bar)		
RD5A	RD3A25AL(200 LPM,35~210 bar)		

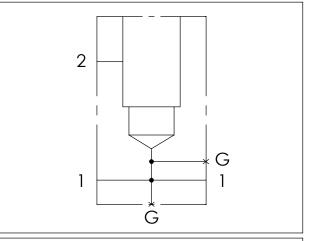
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

S

**DUCTILE IRON** 







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 3A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.42 kg(WITHOUT VALVES)
Ductile Iron	1.32 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	P	ORT SIZE	
X	PORTS	PORT	
	1,2	G	
G06G	G 3/4"	G 1/4"	

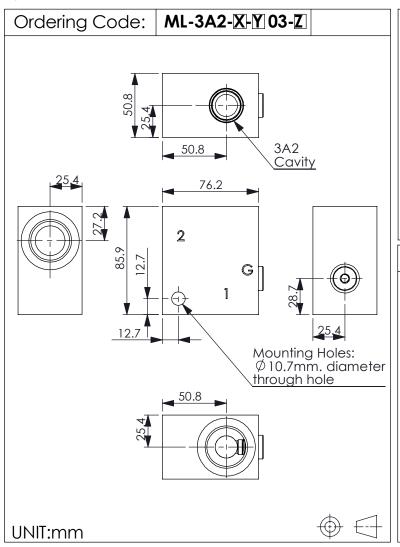
BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	
DUCTILE IRON	
	HIGH-STRENGTH ALUMINUM

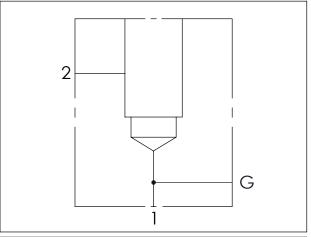
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RPOA	RP3A20AL(200 LPM,7~210 bar)	
RD5A	RD3A25AL(200 LPM,35~210 bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \( \cdot \) pressure \( \cdot \) ... etc.)

Rev.120206 M.03A,301







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 3A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.7	kg(WITHOUT VALVES)
Ductile Iron	2.0	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	ı	PORT SIZE	
X	PORTS	PORT	
	1,2	G	
G08G	G 1"	G 1/4"	

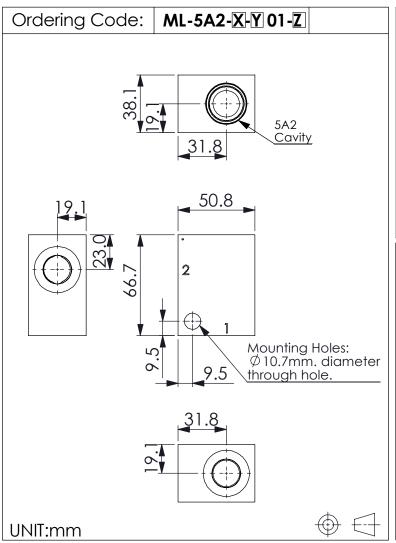
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

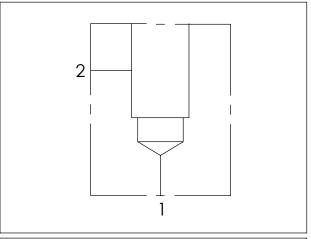
Z	CARTRIDGE VALVES SELECTION	
WITHOUT VALVE		
RPOA	RP3A20AL(200 LPM,7~210 bar)	
RD5A	RD3A25AL(200 LPM,35~210 bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.120116 M.03A.401







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 5A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25 kg(WITHOUT VALVES)	
Ductile Iron	0.75 kg(WITHOUT VALVES)	5)

<sup>\*</sup> If you need the special specification. Please contact us.

	F	ORT SIZE	
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

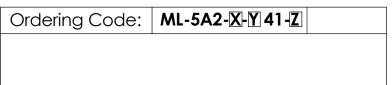
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
CV03	CV5A2003N(160LPM,0.3bar)	
FROA	FR5A20AL(45LPM,350bar)	
NV33	NV5A2033L(350bar)	
	tion is only overmale. Please refer	

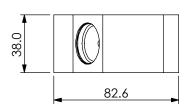
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \( \) pressure \( \) \( \) \( \) etc.)

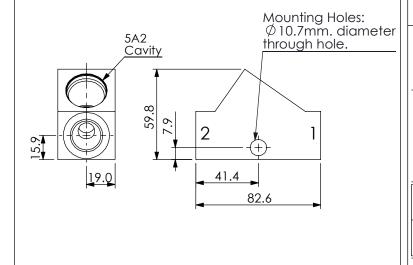


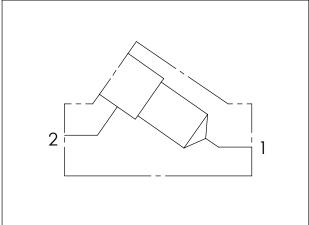
**UNIT:mm** 

# STANDARD MANIFOLD LINE MOUNT BODIES









# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 5A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25 kg(WITHOUT VALVES)
Ductile Iron	0.69 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	PORT SIZE		
X	PORT	PORT	
	1	2	
G04	G 1/2"	G 1/2"	

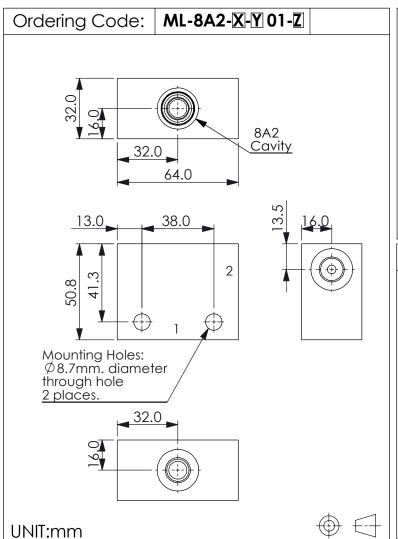
Y	BODY MATERIAL		
A	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

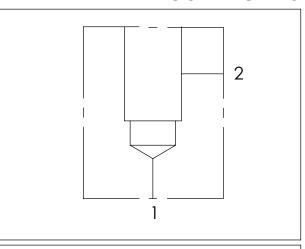
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
CV03	CV5A2003N(160LPM,0.3bar)		
NV33	NV5A2033L (350bar)		
FROA	FR5A20AL (45LPM,350bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.120116 M.05A,701







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 8A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25	kg(WITHOUT VALVES)
Ductile Iron	0.7	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	PORT SIZE		
X	PORT	PORT	
	1	2	
G02	G 1/4"	G 1/4"	

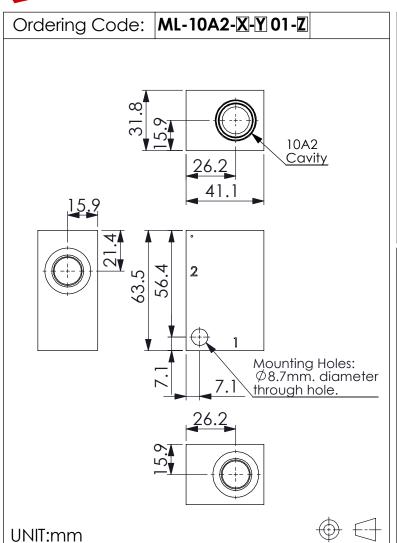
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

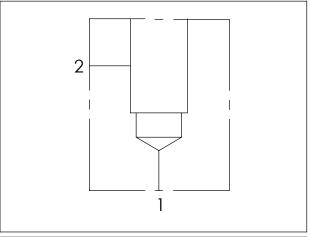
Z	CARTRIDGE VALVES SELECTION		
RBOA	RB8A20AL(10 LPM,1.7~210 bar)		
PRBDA	PRB8A2DAN(1 LPM,20~210 bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.120208 M.08A,201







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 10A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.2	kg(WITHOUT VALVES)
Ductile Iron	0.5	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

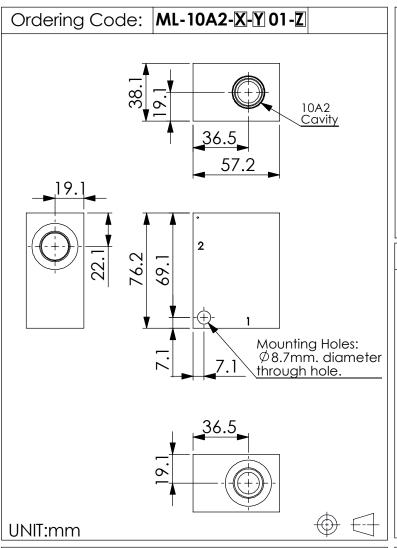
	PORT SIZE		
X	PORT	PORT	
	1	2	
G02	G 1/4"	G 1/4"	
G03	G 3/8"	G 3/8"	
P03	3/8"PT	3/8"PT	

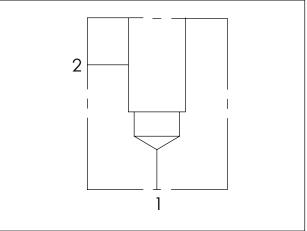
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RPOA	RP10A20AL(95 LPM,7~210 bar)	
RD5A	RD10A25AL(95 LPM,35~210 bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 10A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.4	kg(WITHOUT VALVES)
Ductile Iron	1.1	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

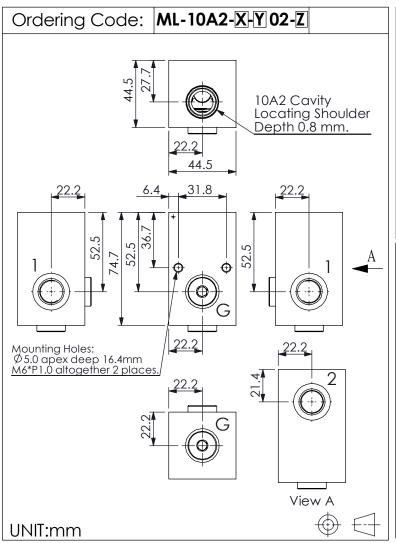
	PORT SIZE		
X	PORT	PORT	
	1	2	
G04	G 1/2"	G 1/2"	

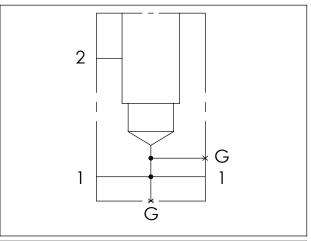
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RPOA	RP10A20AL(95 LPM,7~210 bar)	
RD5A	RD10A25AL(95 LPM,35~210 bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow  $\cdot$  pressure  $\cdot$  ... etc.)







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 10A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.32 kg(WITHOUT VALVES)
Ductile Iron	0.94 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	PORT SIZE		
X	PORTS	PORT	
	1,2	G	
G03G	G 3/8"	G 1/4"	
G04G	G 1/2"	G 1/4"	

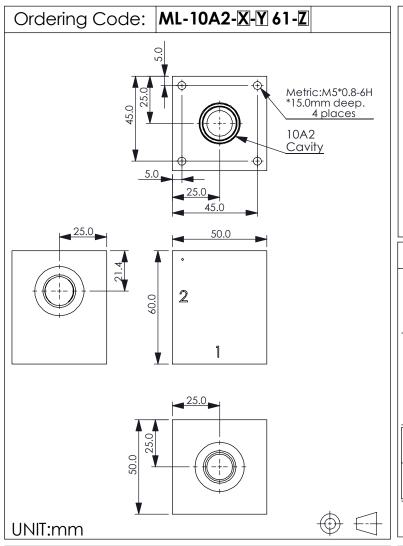
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

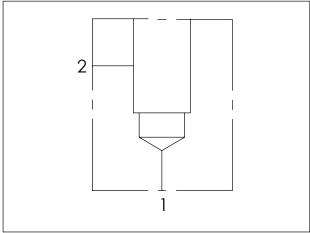
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RPOA	RP10A20AL(95 LPM,7~210 bar)	
RD5A	RD10A25AL(95 LPM,35~210 bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.120206 M.10A.301







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

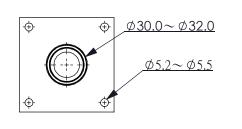
## Cavity:

#### Refer to 10A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.37 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.



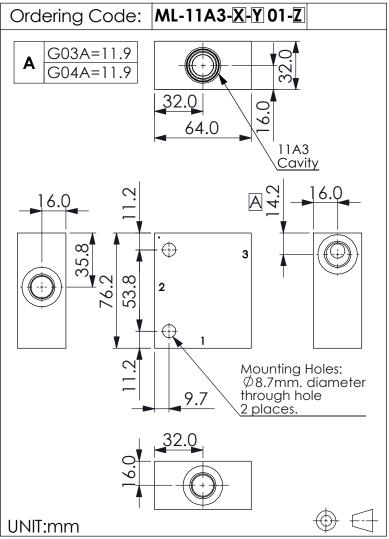
	PORT SIZE		
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

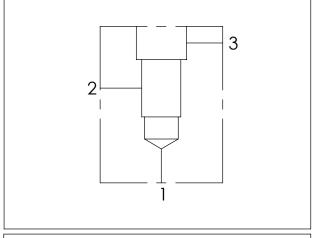
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SELECTION		
WITHOUT VALVE			
RPOA	RP10A20AL(95 LPM,7~210 bar)		
<b>RD5A</b> RD10A25AL(95 LPM,35~210 bar)			

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

350 bar Body Pressure Rating:

## Cavity:

#### Refer to 11A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.35	kg(WITHOUT VALVES)
Ductile Iron	0.95	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Pléase contact us.

	PORT SIZE			
X	PORTS	PORT		
	1,2	3		
G02	G 1/4"	G 1/4"		
G03	G 3/8"	G 3/8"		
G03A	G 3/8"	G 1/4"		
G04A	G 1/2"	G 1/4"		
G04B	G 1/2"	G 3/8"		
P03	3/8"PT	3/8"PT		

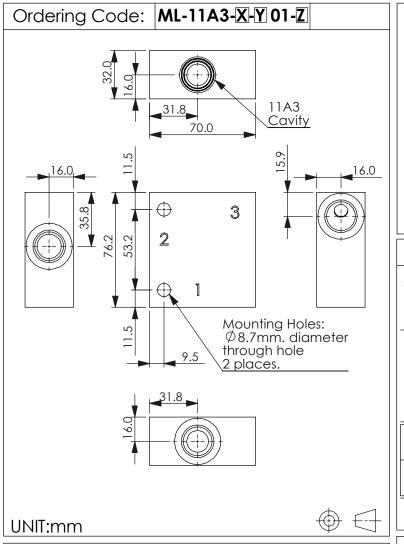
Z	CARTRIDGE VALVES SELECTION		
WITHOUT VALVE			
<b>RVOA</b> RV11A30AL(60LPM,7-210bar)			
<b>CB3H</b> CB11A33HL (60LPM,70-280bar)			
CO20 CO11A3020N (60LPM,2.0bar)			
CC20 CC11A3020N (60LPM,2.0bar)			
<b>SPOA</b> SP11A30AL (60LPM,7-210bar)			
The selection is only example. Please refer to Winner			

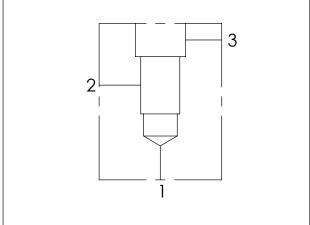
Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

V PORTO	
PO	RT S
<u> </u>	

Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 11A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.37	kg(WITHOUT VALVES)
Ductile Iron	0.97	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

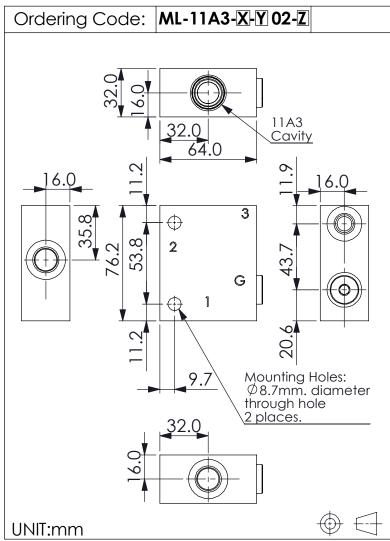
	PORT SIZE			
X	PORTS	PORT		
	1,2	3		
G04	G 1/2"	G 1/2"		

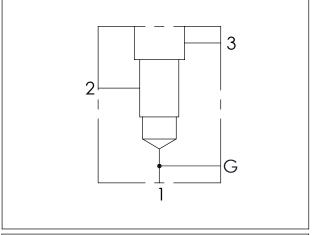
Y	BODY MATERIAL HIGH-STRENGTH ALUMINUM			
Α				
S	S DUCTILE IRON			

Z	CARTRIDGE VALVES SELECTION		
WITHOUT VALVE			
<b>PPOA</b>	PP11A30AL (40LPM,7-210bar)		
PD0A	PD11A30AL (40LPM,35-210bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \( \cdot \) pressure \( \cdot \) ... etc.)







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 11A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.35 kg(WITHOUT VALVES)
Ductile Iron	0.97 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

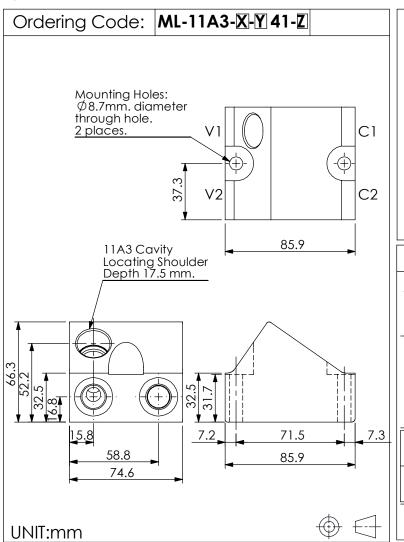
		PORT	SIZE	
X	PORTS	PORT	PORT	
	1,2	3	G	
G03AG	G 3/8"	G 1/4"	G 1/4"	

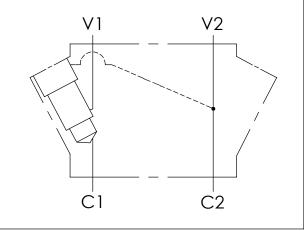
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RVOA	RV11A30AL(60LPM,7-210bar)	
СВЗН	CB11A33HL (60LPM,70-280bar)	
CO20	CO11A3020N (60LPM,2.0bar)	
CC20	CC11A3020N (60LPM,2.0bar)	
SP0A	SP11A30AL (60LPM,7-210bar)	
PB0A	PB11A30AL (40LPM,7-210bar)	
The selec	tion is only example. Please refer	to Winner

Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ \text{pressure} \ \cdots \ \dots \ \text{etc.})







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 11A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.68	kg(WITHOUT VALVES)
Ductile Iron	1.96	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

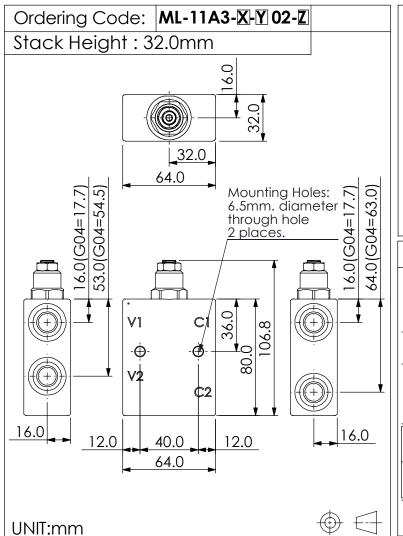
X	PORT SIZE		
	PORTS	PORTS	
	V1,V2	C1,C2	
G03	G 3/8"	G 3/8"	

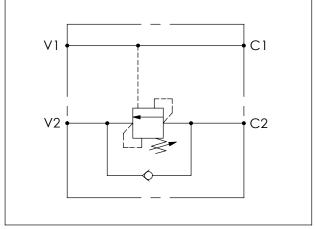
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
CB3H	CB11A33HL (3:1,70-280bar)	
CO03	CO11A3003N (0.3bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron

Body Pressure Rating: 350 bar

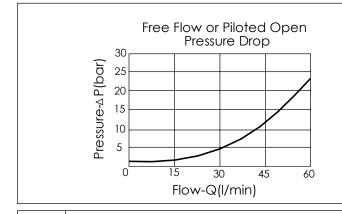
Rated flow: 60 1/min

### Cartridge Valve: Refer to CB11A-Ⅵ-☑

\* Refer to Winner Cartridge Valves Catalog.

Aluminum 0.35 kg(WITHOUT VALVES) 0.55 kg(INCLUDE VALVES)

\* If you need the special specification. Please contact us.



	PORT SIZE		
X	PORTS	PORTS	
	V1,V2	C1,C2	
G02	G 1/4"	G 1/4"	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

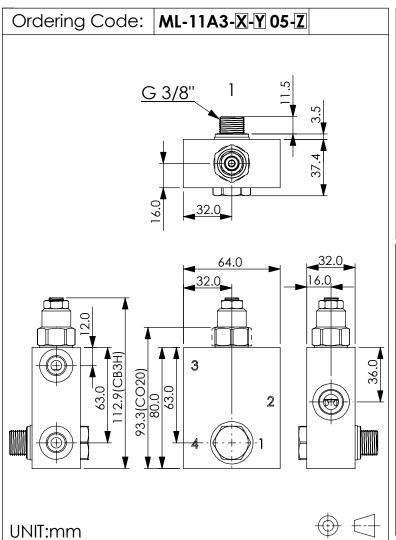
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

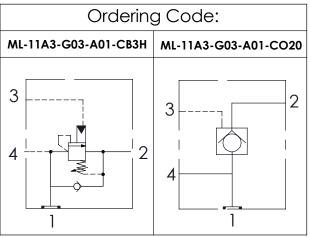
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
СВЗН	CB11A33HL (3:1 , 280bar)	
CB4J	CB11A34JL (4.5:1 , 350bar)	
CB0J	CB11A30JL (10:1 , 350bar)	
The selec	tion is only example. Please refer	to Winner

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure pressure

Rev.120217 M.11A.801







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

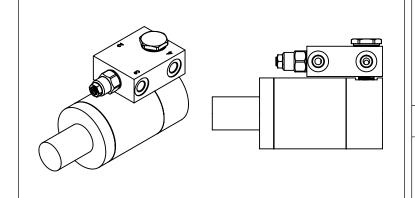
## Cavity:

#### Refer to 11A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.45 kg(WITHOUT VALVES)
Ductile Iron	1.04 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.



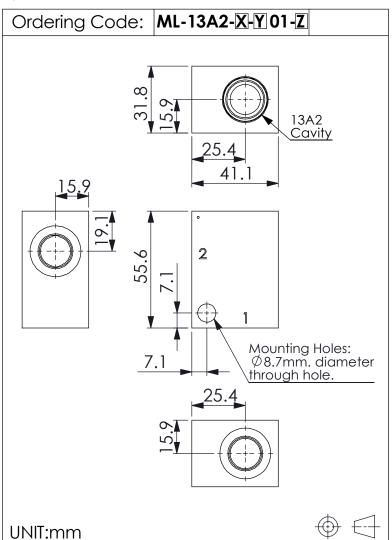
P	ORT SIZE	
PORTS	PORTS	
1,2	3,4	
G 3/8"	G 1/4"	
	PORTS	1,2 3,4

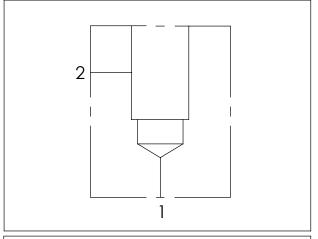
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SE	ELECTION
	WITHOUT VALVE	
СВЗН	CB11A33HL (3:1 , 280bar)	
CO20	CO11A3020N (60LPM , 2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 13A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.17 kg(WITHOUT VALVES)	
Ductile Iron	0.38 kg(WITHOUT VALVES)	)

<sup>\*</sup> If you need the special specification. Please contact us.

	I	PORT SIZE	
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

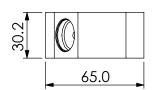
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

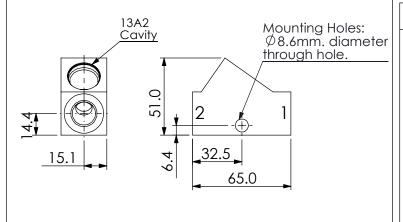
Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
CV03	CV13A2003N (80LPM,0.3bar)	
NV48	NV13A2048L (350bar)	
NCBA	NC13A21BAL (350bar)	
FROA	FR13A20AL (0.4-23LPM,350bar)	
LS0G	LS13A20NG04 (10LPM)	
The selec	tion is only example. Please refer	to Winner

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)





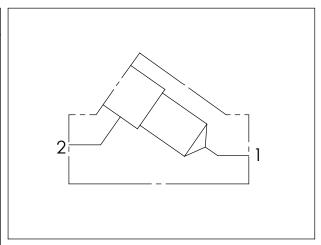




**UNIT:mm** 







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

# Cavity:

#### Refer to 13A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.14	kg(WITHOUT VALVES)
Ductile Iron	0.42	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Pléase contact us.

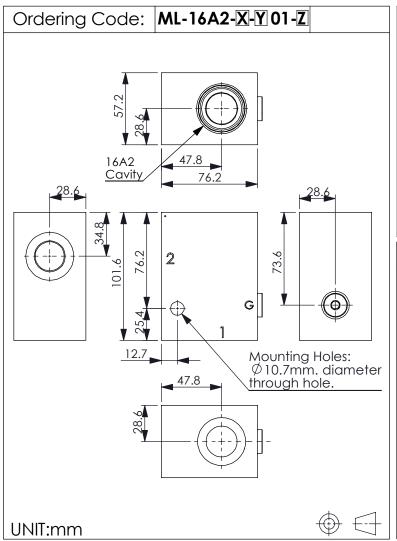
	ı	PORT SIZE	
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

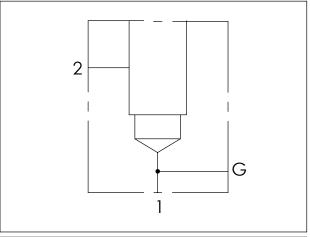
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
CV03	CV13A2003N(80LPM,0.3bar)	
NV48	NV13A2048L (350bar)	
NCBA	NC13A21BAL (0.3bar)	
FROA	FR13A20AL (23LPM,350bar)	
LS0G	LS13A20NG04 (10LPM)	
The select	tion is only example. Please refer	to Winner

Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 16A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminun	า	0.97	kg(WITHOUT VALVES)
Ductile Iro	n	2.58	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

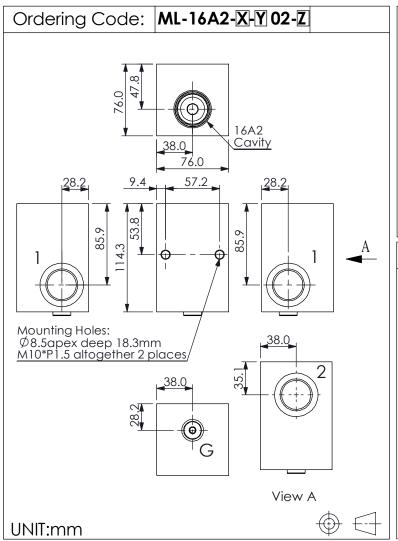
	ı	PORT SIZE	
X	PORTS	PORT	
	1,2	G	
G06G	G 3/4"	G 1/4"	
G08G	G 1"	G 1/4"	
G10G	G 1-1/4"	G 1/4"	

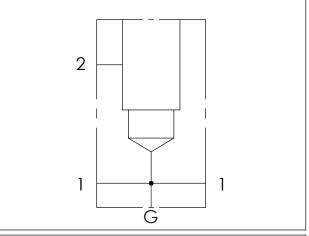
A HIGH-S		
A Inigh-3	TRENGTH ALUMINUM	
S DUCTIL	E IRON	

Z	CARTRIDGE VALVES SELECTION				
	WITHOUT VALVE				
RPOA	RP16A20AL(380 LPM,7~210 bar)				
CV03	CV16A2003N (320LPM,0.3bar)				
FROA	FR16A20AL (0.8-95LPM)				
The selection is only example. Please refer to Winner					

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 16A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.40 kg(WITHOUT VALVES)	
Ductile Iron	3.90 kg(WITHOUT VALVES)	

<sup>\*</sup> If you need the special specification. Please contact us.

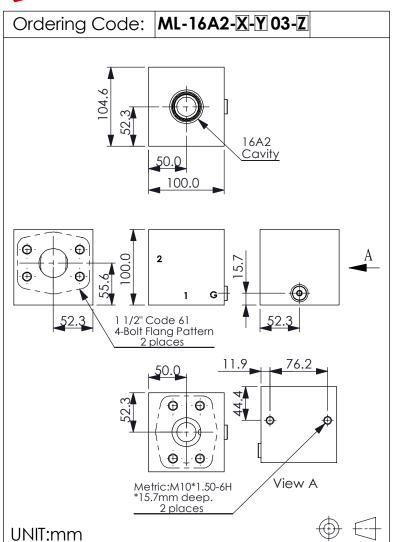
	PORT SIZE				
X	PORTS	PORT			
	1,2	G			
G06G	G 3/4"	G 1/4"			
G08G	G 1"	G 1/4"			
G10G	G 1-1/4"	G 1/4"			

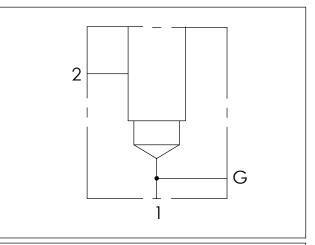
Y	BODY MATERIAL			
Α	HIGH-STRENGTH ALUMINUM			
S	DUCTILE IRON			

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RPOA	RP16A20AL(380 LPM,7~210 bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \( \) pressure \( \) ... etc.)







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 16A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	2.4	kg(WITHOUT VALVES)
Ductile Iron	6.8	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

ORT
G
1/4"

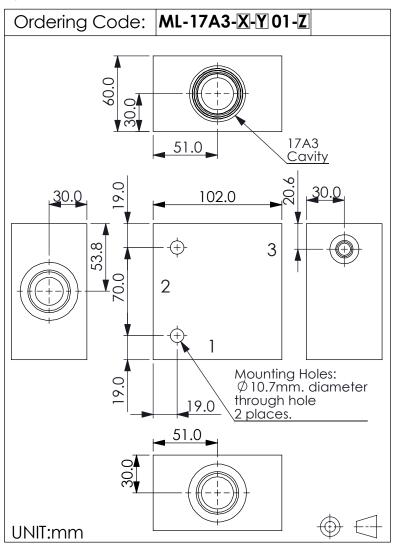
BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	
DUCTILE IRON	
	HIGH-STRENGTH ALUMINUM

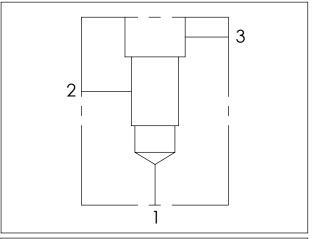
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RPOA	RP16A20AL(380 LPM,7~210 bar)		
CV03	CV16A2003N (320LPM,0.3bar)		
FROA	FR16A20AL (0.8-95LPM)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure . ... etc.)

Rev.120206 M.16A.401







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 17A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.5 kg(WITHOUT VALVES)	1.5
Ductile Iron	4.2 kg(WITHOUT VALVES)	4.2

<sup>\*</sup> If you need the special specification. Please contact us.

		\$16A	SAE 1
		P03	3/8''F
		<b>Z</b>	CARTRI
Y	BODY MATERIAL		WITH
Α	HIGH-STRENGTH ALUMINUM	RVOA	RV17A30A
S	DUCTILE IRON	СВЗН	CB17A33

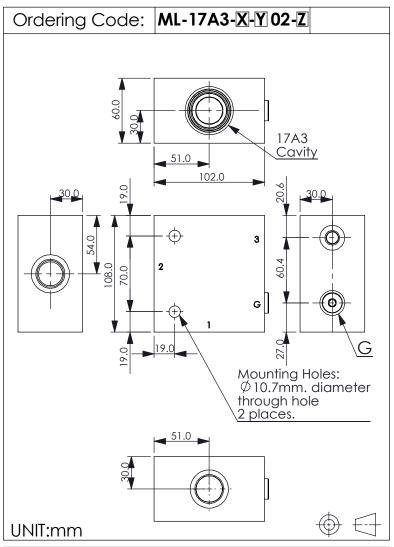
	F		
X	<b>PORTS</b>	PORT	
	1,2	3	
G08A	G 1"	G 1/4"	
G10A	G 1-1/4"	G 1/4"	
\$16A	SAE 16	SAE 6	
P03	3/8"PT	3/8"PT	

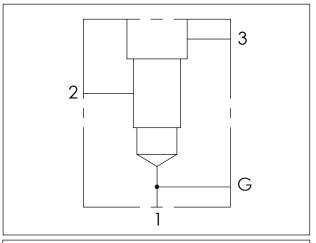
Z	CARTRIDGE VALVES SELECT	ION
	WITHOUT VALVE	
RVOA	RV17A30AL (240LPM,7-210bar)	
СВЗН	CB17A33HL (3:1,70-280bar)	
CO20	CO17A3020N (240LPM,2.0bar)	
CC20	CC17A3020N (320LPM,2.0bar)	
PBOA	PB17A30AL (160LPM,7-210bar)	
SPOA	SP17A30AL (240LPM,7-210bar)	
The coloc	tion is only avample. Places refer to Min	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

Rev.120116 M.17A,301







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 17A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.5 kg(WITHOUT VALVES)
Ductile Iron	4.2 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

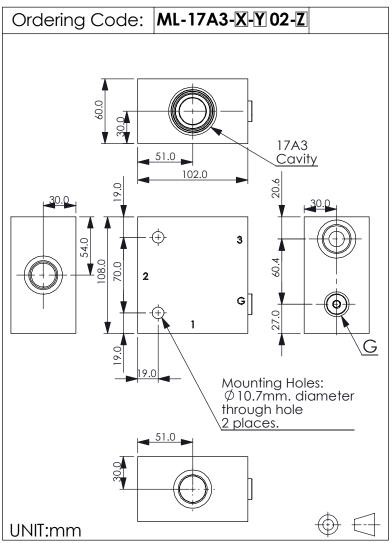
Г
ļ''
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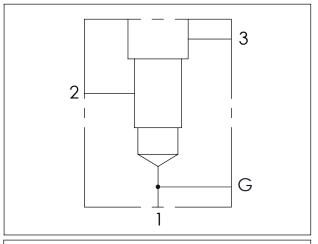
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

CARTRIDGE VALVES SE	LECTION
WITHOUT VALVE	
RV17A30AL (240LPM,7-210bar)	
CB17A33HL (3:1,70-280bar)	
CO17A3020N (240LPM,2.0bar)	
CC17A3020N (320LPM,2.0bar)	
PB17A30AL (160LPM,7-210bar)	
	WITHOUT VALVE RV17A30AL (240LPM,7-210bar) CB17A33HL (3:1,70-280bar) CO17A3020N (240LPM,2.0bar) CC17A3020N (320LPM,2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

## Refer to 17A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.5 kg(WITHOUT VALVES)	
Ductile Iron	4.0 kg(WITHOUT VALVES)	

<sup>\*</sup> If you need the special specification. Please contact us.

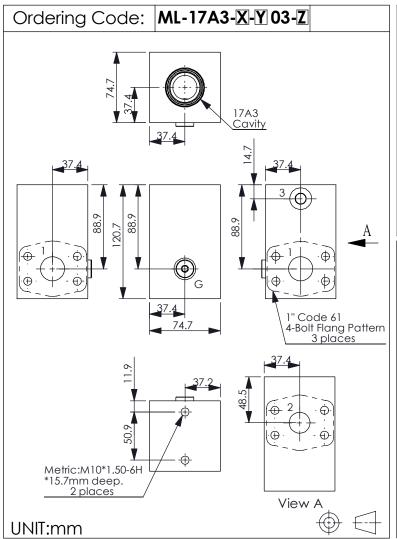
		POR	Γ SIZE	
X	PORTS	PORT	PORT	
	1,2	3	G	
G06G	G 3/4"	G 3/4"	G 1/4"	

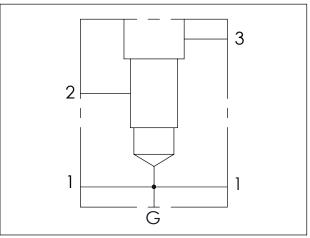
A HIGH-STRENGTH ALUMINUM		Y	BODY MATERIAL	
	S DUCTILE IRON	Α	HIGH-STRENGTH ALUMINUM	
S DUCTILE IRON		S	DUCTILE IRON	

Z	CARTRIDGE VALVES SE	ELECTION
	WITHOUT VALVE	
PP0A	PP17A30AL (160LPM,7-210bar)	
PD0A	PD17A30AL (160LPM,50-210bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 17A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.5 kg(WITHOUT VALVES)
Ductile Iron	4.2 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

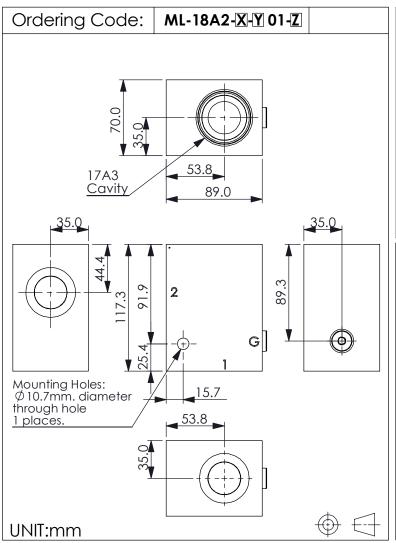
		PORT	SIZE	
X	PORTS	PORT	PORT	
	1,2	3	G	
F50G	1" Code 61 4-Bolt Flang Pattern	G1/4"	G 1/4"	

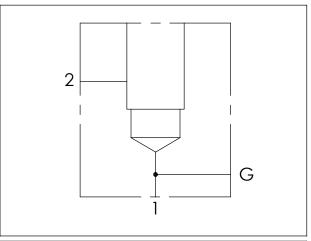
Y	<b>BODY MATERIAL</b>		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
RVOA	RV17A30AL (240LPM,7-210bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ \text{pressure} \ \ \ ... \text{ etc.})







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

#### Refer to 18A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.45	kg(WITHOUT VALVES)
Ductile Iron	4.1	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

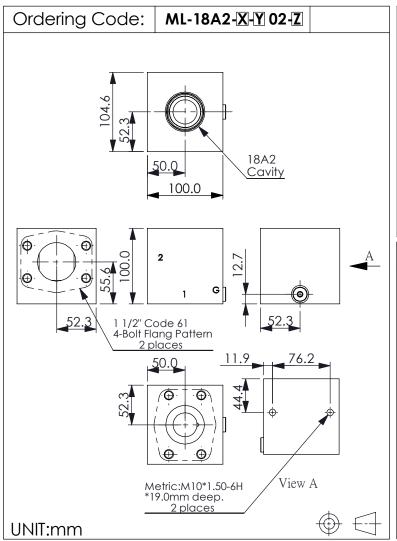
	ı	PORT SIZE	
X	PORTS	PORT	
	1,2	G	
G08G	G 1"	G 1/4"	
G10G	G 1-1/4"	G 1/4"	

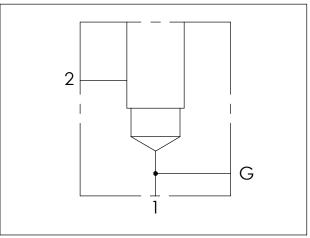
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
RPOA	RP18A20AL (760LPM,7-210bar)	
CV03	CV18A2003N (640LPM,0.3bar)	
FROA	FR18A20AL (1.0 to 200LPM)	
The select	tion is only example. Please refer	to Winner

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure pressure







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 18A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	2.4	kg(WITHOUT VALVES)
Ductile Iron	6.2	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	POI	RT SIZE	
X	PORTS	PORT	
	1,2	G	
F30G	1 1/2" Code 61 4-Bolt Flang Pattern	G 1/4"	

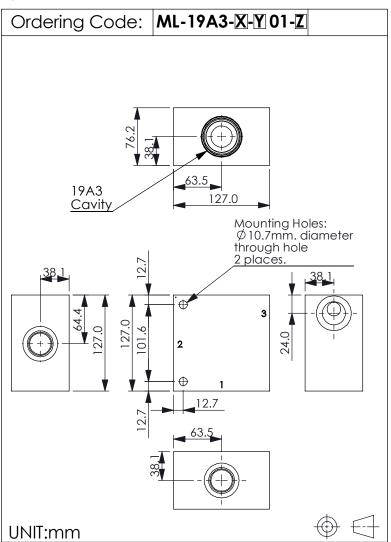
Y	BODY MATERIAL	_
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

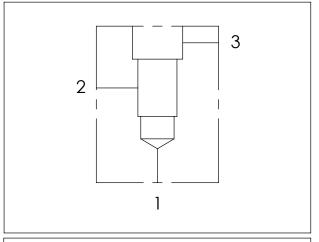
Z	CARTRIDGE VALVES SE	ELECTION
	WITHOUT VALVE	
RPOA	RP18A20AL (760LPM,7-210bar)	
CV03	CV18A2003N (640LPM,0.3bar)	
FROA	FR18A20AL (1.0 to 200LPM)	
The second second	in the substitution of the	4 - VA (Constant)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \( \circ pressure \( \cdot \) ... etc.)

Rev.120206 M.18A.301







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

#### Refer to 19A3

\* Refer to Winner Cartridge Valve Catalog.

Aluminum	2.61	kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

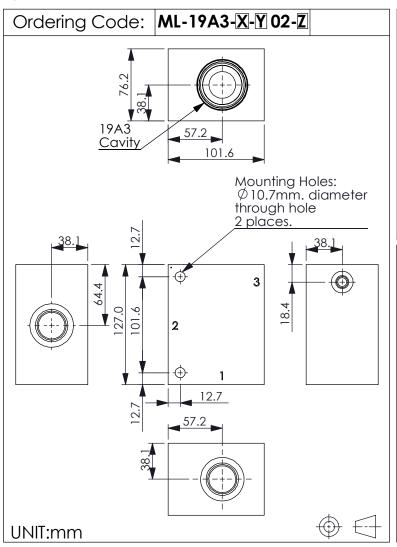
PC	ORT	
	3	
G	1"	
		<b>PORT 3</b> G 1"

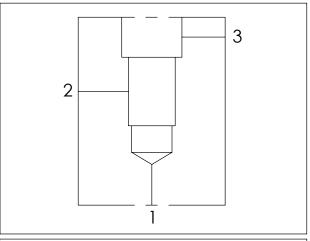
<b>BODY MATERIAL</b>			
HIGH-STRENGTH ALUMINUM			

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
PPOA	PP19A30AL (320LPM,7-210bar)		
PD0A	PD19A30AL (320LPM,50-210bar)		
, and the second			

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 19A3

\* Refer to Winner Cartridge Valve Catalog.

Aluminum	2.05 kg(WITHOUT VALVES)	
Ductile Iron	5.65 kg(WITHOUT VALVES)	

<sup>\*</sup> If you need the special specification. Please contact us.

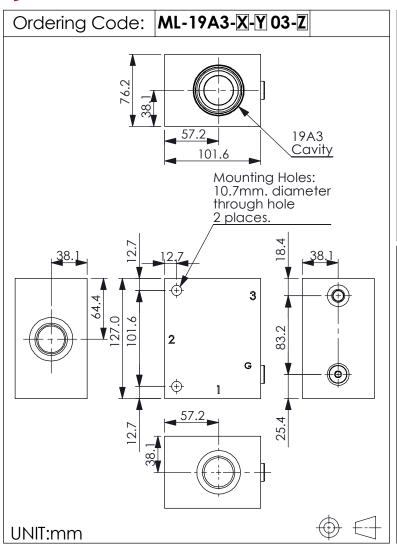
	PORT SIZE			
X	PORTS	PORT		
	1,2	3		
G08A	G 1"	G 1/4"		
G10A	G 1-1/4"	G 1/4"		

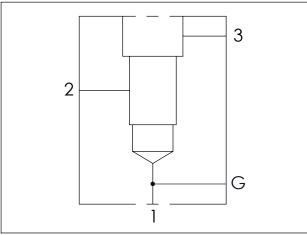
BODY MATERIAL	T	
LICH STRENCTH ATTIANNIA		
HIGH-SIKENGIH ALUMINUM		
DUCTILE IRON		
	DUCTILE IRON	

Z	CARTRIDGE VALVES SE	ELECTION
	WITHOUT VALVE	
RVOA	RV19A30AL (480LPM,7-210bar)	
СВЗН	CB19A33HL (3:1,70-280bar)	
CO20	CO19A3020N (480LPM,2.0bar)	
CC20	CC19A3020N (640LPM,2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

#### Refer to 19A3

\* Refer to Winner Cartridge Valve Catalog.

Aluminum	2.05	kg(WITHOUT VALVES)
Ductile Iron	5.65	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

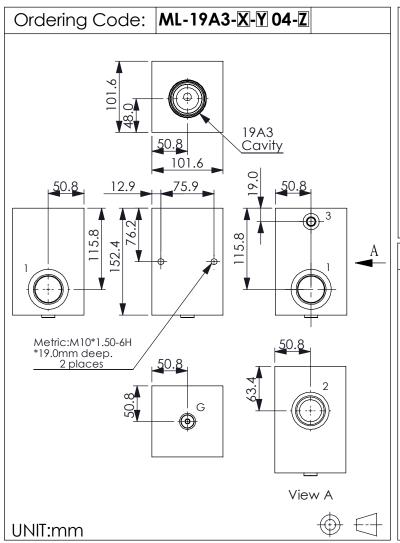
	PORT SIZE			
X	PORTS	PORT	PORT	
	1,2	3	G	
G08AG	G 1"	G 1/4"	G 1/4"	
		•		

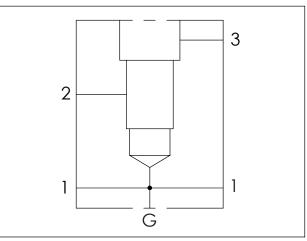
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RVOA	RV19A30AL (480LPM,7-210bar)		
СВЗН	CB19A33HL (3:1,70-280bar)		
CO20	CO19A3020N (480LPM,2.0bar)		
CC20	CC19A3020N (640LPM,2.0bar)		
T			

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 19A3

\* Refer to Winner Cartridge Valve Catalog.

Aluminum	3.33	kg(WITHOUT VALVES)
Ductile Iron	9.3	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	PORT SIZE				
X	PORTS	PORT	PORT		
	1,2	3	G		
G10AG	G 1-1/4"	G 1/4"	G 1/4"		

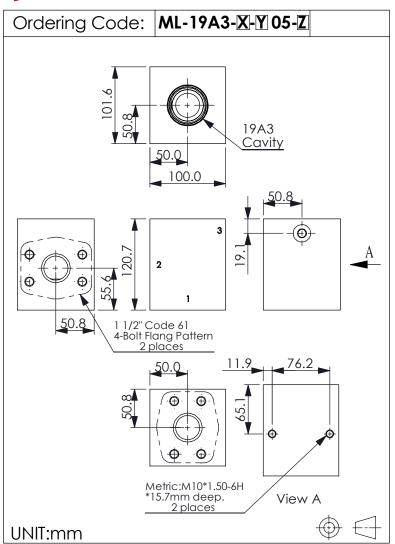
A HIG		BODY MATERIAL		
A HIGH-STRENGTH ALUMINUM				
S DUC	CTILE IRON			

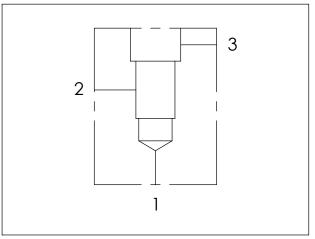
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
RVOA	RV19A30AL (480LPM,7-210bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.120206 M.19A.304







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

### Cavity:

### Refer to 19A3

\* Refer to Winner Cartridge Valve Catalog.

Aluminum	2.7	kg(WITHOUT VALVES)
Ductile Iron	7.5	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

POI	RT SIZE	
PORTS	PORT	
1,2	3	
1 1/2" Code 61 4-Bolt Flang Pattern	G 1/4"	
	PORTS 1,2	1,2 3

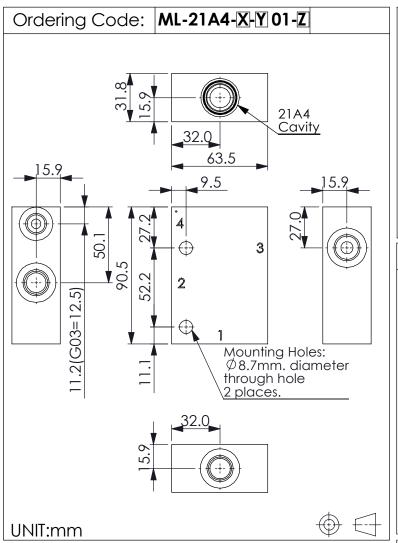
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		
1000			

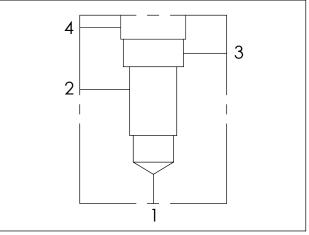
Z	CARTRIDGE VALVES SE	ELECTION			
	WITHOUT VALVE				
RVOA	<b>RVOA</b> RV19A30AL (480LPM,7-210bar)				
СВЗН	CB19A33HL (3:1,70-280bar)				
CO20	CO20 CO19A3020N (480LPM,2.0bar)				
CC20	CC19A3020N (640LPM,2.0bar)				

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)

Rev.120206 M.19A.501







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 21A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.38 k	g(WITHOUT VALVES)
Ductile Iron	1.02 k	g(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

	PORT SIZE				
X	PORTS	PORT	PORT		
	1,2	3	4		
G03	G 3/8"	G 3/8"	G 3/8"		
G03A	G 3/8"	G 3/8"	G 1/4"		
P03	3/8"PT	3/8"PT	3/8"PT		

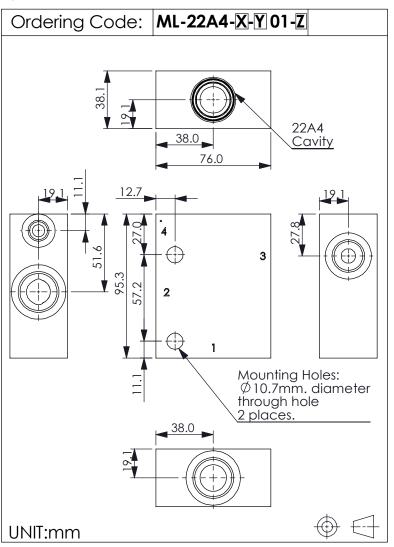
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

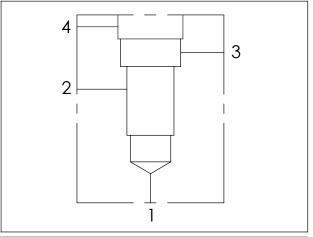
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
PV0A	PV21A40AL (40LPM,7-210bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \( \) pressure \( \) ... etc.)

Rev.120116 M.21A.401







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 22A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.56	kg(WITHOUT VALVES)
Ductile Iron	1.52	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	PORT SIZE				
X	PORTS	PORT	PORT		
	1,2	3	4		
G03A	G 3/8"	G 3/8"	G 1/4"		
G04A	G 1/2"	G 1/2"	G 1/4"		
G06CA	G 3/4"	G 1/2"	G 1/4"		

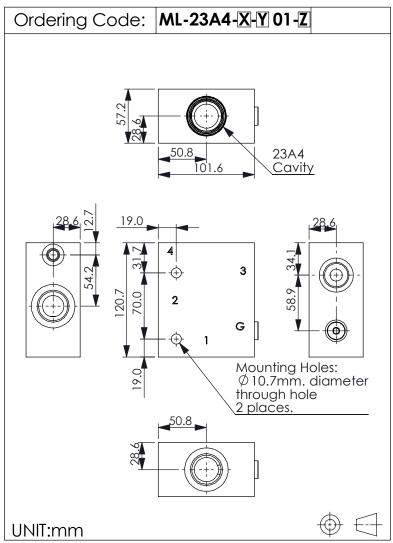
BODY MATERIAL			
HIGH-STRENGTH ALUMINUM			
DUCTILE IRON			
	HIGH-STRENGTH ALUMINUM		

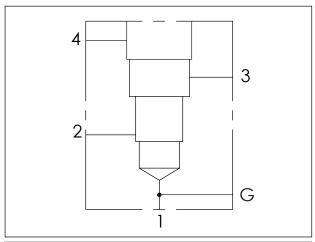
Z	CARTRIDGE VALVES SELECTION					
	WITHOUT VALVE					
PV0A	PV22A40AL (80LPM,7-210bar)					

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.120217 M.22A.401







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 23A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.44	kg(WITHOUT VALVES)			
Ductile Iron	3.76	kg(WITHOUT VALVES)			

\* If you need the special specification. Please contact us.

	Regulated Pressure
	Relieving Reducing
	140
	120
Pressure-ΔP (bar)	100
	80
SSUre	60
Pres	40
	20
	-160 -80 0 80 160 240
	Flow-Q(I/min)

	PORT SIZE					
X	PORTS	PORT	PORT	PORT		
	1,2	3	4	G		
G06AG	G3/4"	G3/4"	G1/4"	G1/4"		
G08AG	G 1"	G3/4"	G1/4"	G1/4"		
G10AG	G 1-1/4"	G3/4"	G1/4"	G1/4"		

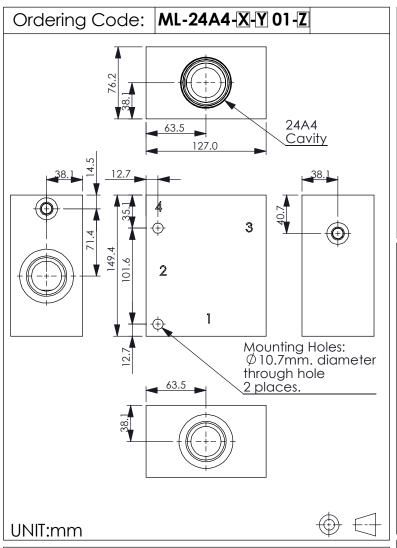
Y	BODY MATERIAL					
Α	HIGH-STRENGTH ALUMINUM					
S	DUCTILE IRON					

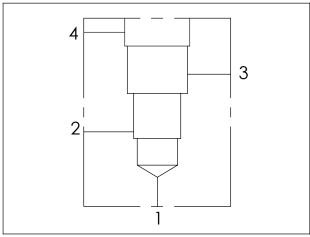
Z	CARTRIDGE VALVES SELECTION					
	WITHOUT VALVE					
PVOA	PV23A40AL (160LPM,7-210bar)					

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \( \) pressure \( \) ... etc.)

Rev.120116 M.23A.401







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 24A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	3.2	kg(WITHOUT VALVES)
Ductile Iron	8.7	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	350	ypical Pı	ressure	Rise	
	300				
Pressure-△P (bar)	250				
	200				
Sure	150				
Tess	100				
_	50				
	0		300 12 Q(I/min)	200 16	00

X	PORTS	PORTS	
	1,2	3,4	
G08A	G1"	G1/4"	
G10A	G1-1/4"	G1/4"	

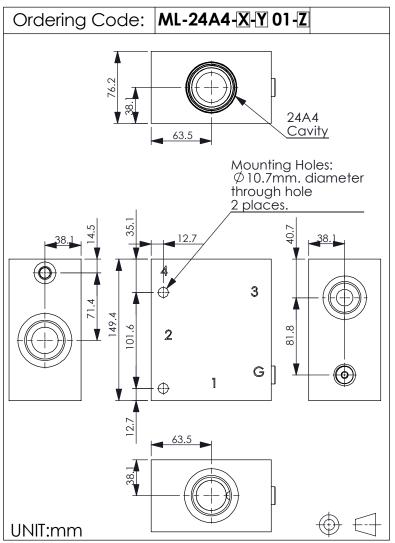
Y	BODY MATERIAL	
A	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

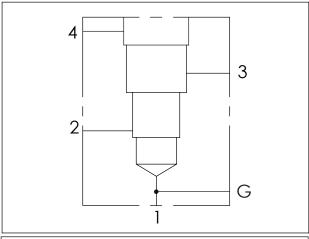
Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			
CWAH	CW24A4AHL (1:1,70-280bar)			

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow  $\cdot$  pressure  $\cdot$  ... etc.)

Rev.120116 M.24A.401







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

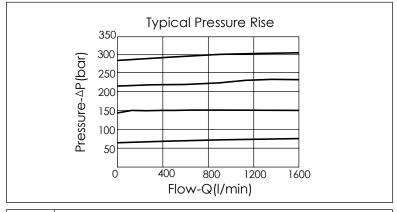
## Cavity:

### Refer to 24A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	3.1	kg(WITHOUT VALVES)
Ductile Iron	8.5	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.



		P	ORT S	IZE	
X	PORTS	PORT	PORT	PORT	
	1,2	3	4	G	
G08AG	G1"	G1"	G1/4"	G1/4"	
G10AG	G1-1/4"	G1"	G1/4"	G1/4"	
			•		

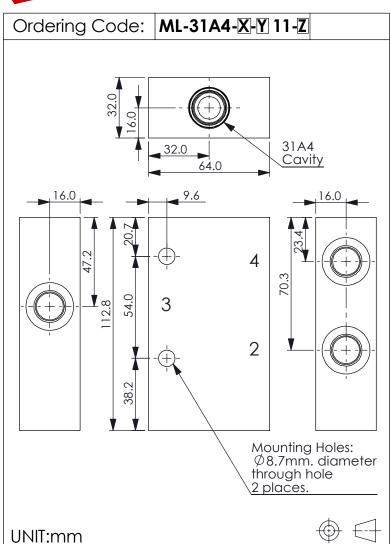
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

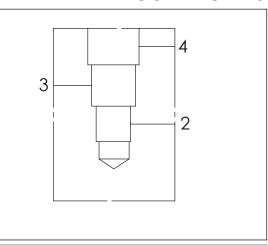
Z	CARTRIDGE VALVES SE	ELECTION
	WITHOUT VALVE	
PV0A	PV24A40AL (320LPM,7-210bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure pressure

Rev.120116 M.24A.402







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

350 bar Body Pressure Rating:

# Cavity:

### Refer to 31A4

\* Refer to Winner Cartridge Valves Catalog.

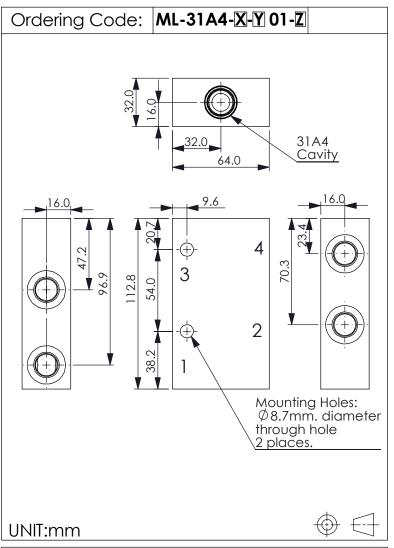
Aluminum	0.55 kg(WITHOUT VALVES)
Ductile Iron	1.45 kg(WITHOUT VALVES)

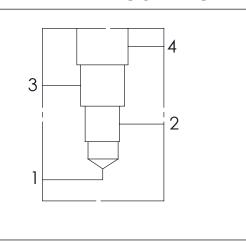
<sup>\*</sup> If you need the special specification. Pléase contact us.

		PORT SIZE			
	X	PORT	PORTS		
		3	2,4		
	G03	G 3/8"	G 3/8"		
	G04	G 1/2"	G 1/2"		
	G04A	G 1/2"	G 3/8"		

Y	Y BODY MATERIAL Z CARTRIDGE VALVES SELE		CARTRIDGE VALVES SELECTION
Α	HIGH-STRENGTH ALUMINUM		WITHOUT VALVE
S	DUCTILE IRON	FD0A	FD31A4206A(1~6LPM,50%-50%)
		The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \( \) pressure \( \) etc.)	
Rev.1201	16	J [	M.31A.301







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 31A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.55 kg(WITHOUT VALVES)
Ductile Iron	1.45 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

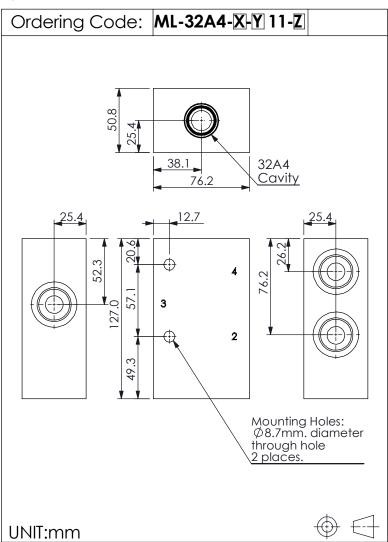
		PORT SIZE	
X	PORTS	PORTS	
	1,2	3,4	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

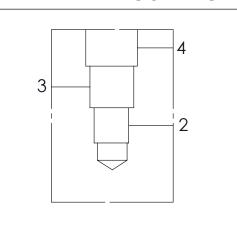
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

Rev.120116 M.31A.401







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 32A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.1	kg(WITHOUT VALVES)
Ductile Iron	3.05	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

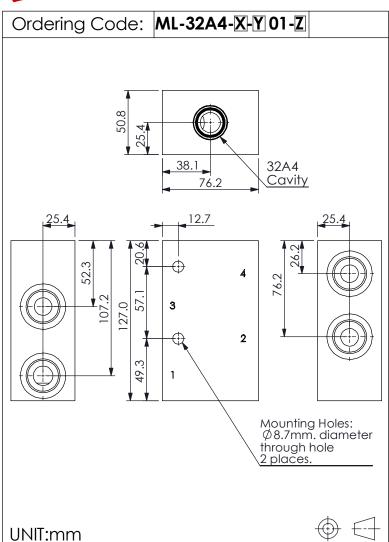
	ı	PORT SIZE	
X	PORT	PORTS	
	3	2,4	
G06	G 3/4"	G 3/4"	

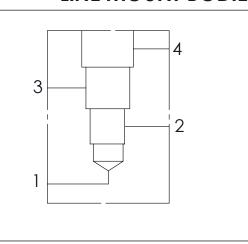
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

Rev.120116 M.32A.301







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 32A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.1	kg(WITHOUT VALVES)
Ductile Iron	3.05	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

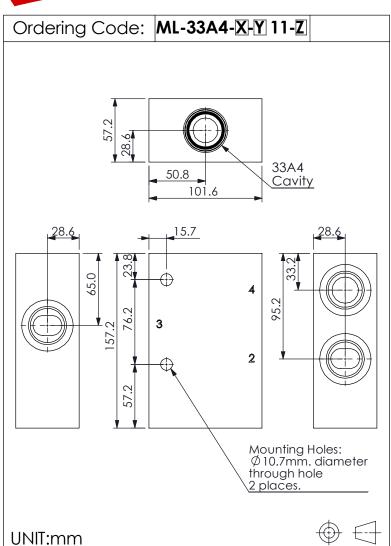
	ı	PORT SIZE	
X	PORTS	PORTS	
	1,2	3,4	
G06	G 3/4"	G 3/4"	

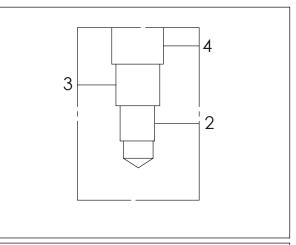
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

Rev.120116 M.32A.401







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 33A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.95	kg(WITHOUT VALVES)
Ductile Iron	5.4	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

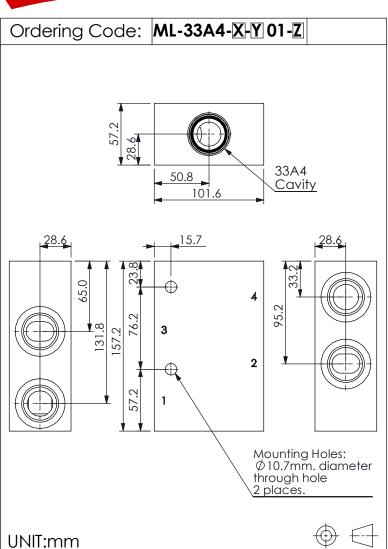
	I	PORT SIZE	
X	PORT	PORTS	
	3	2,4	
G08	G 1"	G 1"	

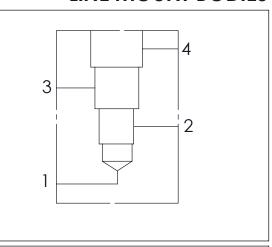
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	Z CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

Rev.120116 M.33A,301







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 33A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.95	kg(WITHOUT VALVES)
Ductile Iron	5.4	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

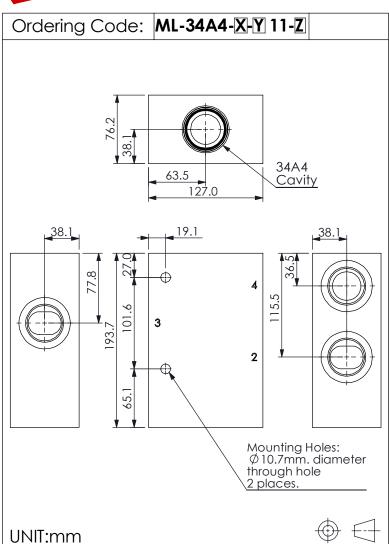
		PORT SIZE	
X	PORTS	PORTS	
	1,2	3,4	
G08	G 1"	G 1"	

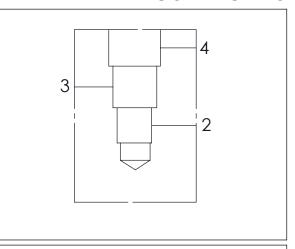
	BODY MATERIAL	
HIGH-STRENGTH ALUMINUM		
DUCTILE IRON		
,		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

Rev.120116 M.33A,401







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

## Refer to 34A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	4.0 kg(WITHOUT VALVES)
Ductile Iron	11.0 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

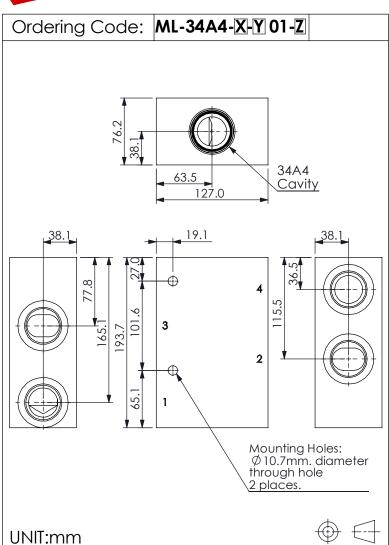
	ı	PORT SIZE	
X	PORT	PORTS	
	3	2,4	
G10	G 1-1/4"	G 1-1/4"	

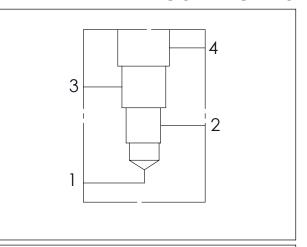
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE
	Z

Rev.120116 M.34A.301







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 34A4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	3.8 kg(WITHOUT VALVES)	3 kg(WITHOUT VALVES)
Ductile Iron	10.6 kg(WITHOUT VALVES)	6 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

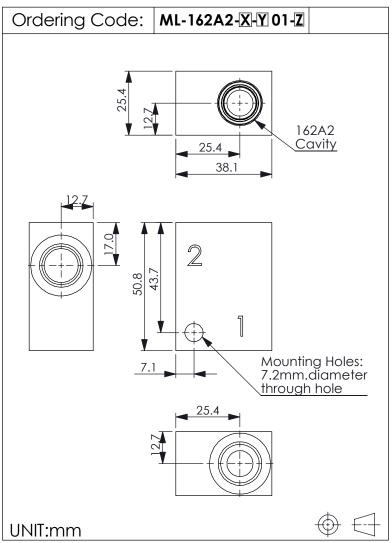
	I	PORT SIZE	
X	PORTS	PORTS	
	1,2	3,4	
G10	G 1-1/4"	G 1-1/4"	

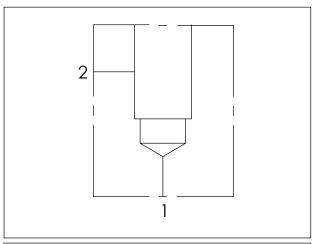
BODY MATERIAL		
HIGH-STRENGTH ALUMINUM		
DUCTILE IRON		
·		
	HIGH-STRENGTH ALUMINUM	

Z CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE	
	<b>Z</b>	_

Rev.120116 M.34A,401







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 162A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.12 kg(WITHOUT VALVES)	
Ductile Iron	0.35 kg(WITHOUT VALVES)	

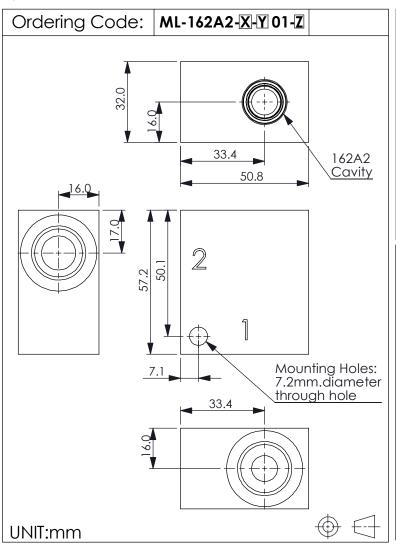
<sup>\*</sup> If you need the special specification. Please contact us.

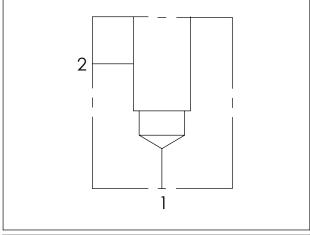
	PORT SIZE		
X	PORT	PORT	
	1	2	
G02	G1/4"	G1/4"	
G03	G3/8"	G3/8"	

Y	BODY MATERIAL		Z	CARTRIDGE VALVES SI	ELECTION
Α	HIGH-STRENGTH ALUMINUM			WITHOUT VALVE	
S	DUCTILE IRON				

Rev.120116 M.162A,201







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 162A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.21	kg(WITHOUT VALVES)
Ductile Iron	0.63	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

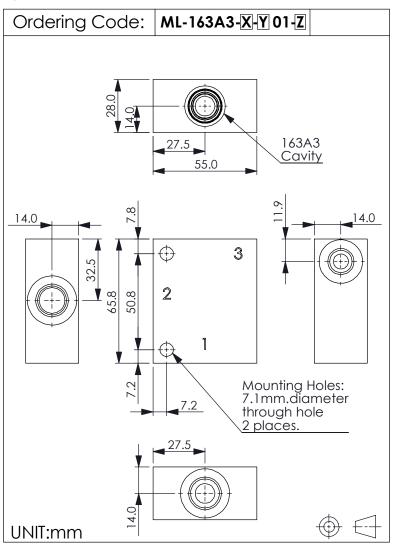
PORT SIZE			
X	PORT	PORT	
	1	2	
G04	G1/2"	G1/2"	

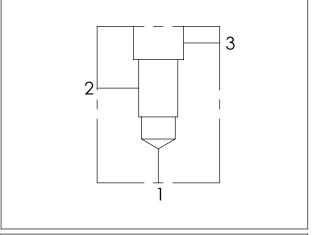
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

Rev.120116 M.162A.202







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 163A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.24 kg	(WITHOUT VALVES)
Ductile Iron	0.72 kg	(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

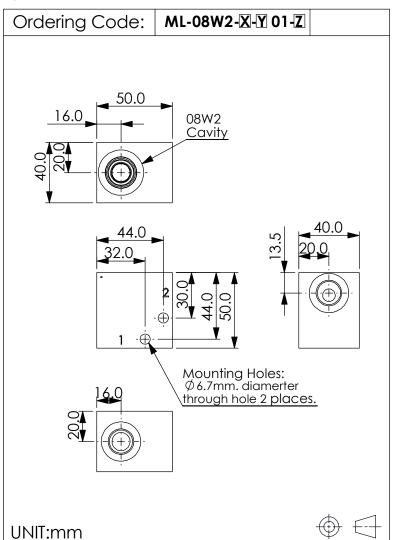
	PORT SIZE		
X	PORTS	PORT	
	1,2	3	
G03A	G 3/8"	G 1/4"	

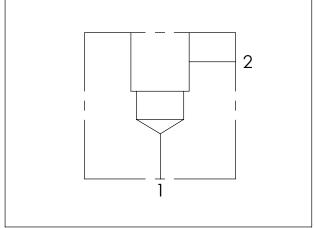
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

Rev.120116 M.163A.301







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 08W2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.22	kg(WITHOUT VALVES)
Ductile Iron	0.68	kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

ľ	

Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

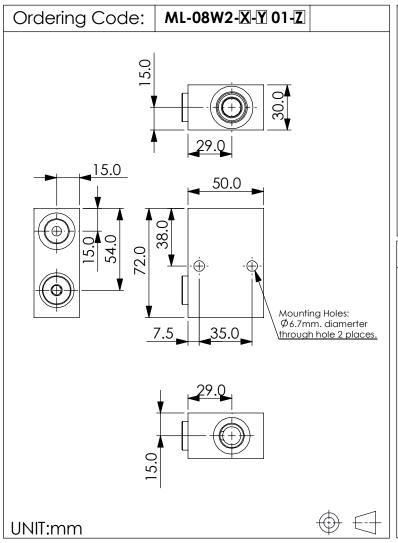
		PORT SIZE	
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	
P02	1/4"PT	1/4"PT	

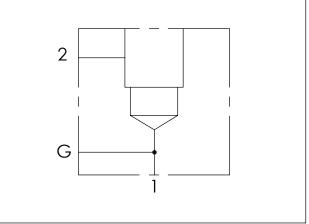
Z	CARTRIDGE VALVES SELECTION			
<b>RDOA</b>				
CV03				
NVON NV08W20NL (350bar)				
NC0N				
EP01				
EP02				
COII	ATFLY			

# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W\[ \] (REFER TO E

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 08W2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM	1	_

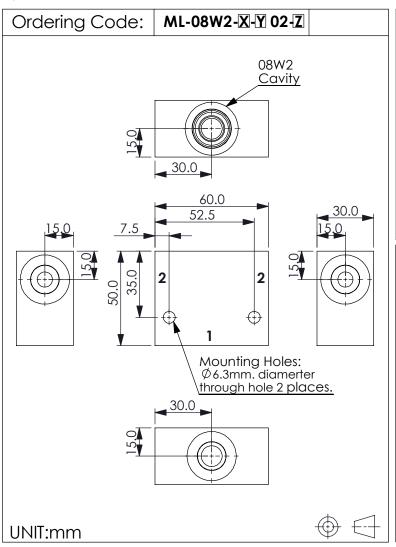
	ı	PORT SIZE	
X	PORTS	PORT	
	1,2	G	
G03G	G 3/8"	G 1/4"	

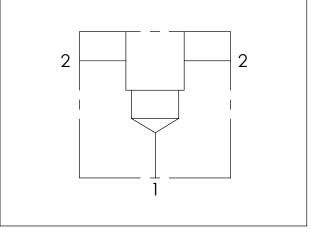
Z	CARTRIDGE VALVES SELECTION			
WITHOUT VALVE				
<b>RDOA</b> RD08W20AL(20LPM,80-210bar)				
CV03 CV08W2003N (30LPM,0.3bar)				
<b>NV0N</b> NV08W20NL (350bar)				
NCON NC08W20NL (350bar)				
EP01 EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)				
EP02 EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)				
	COIL MILET DE ODDEDED CEDADATELV			

# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W私纽边)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 08W2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.22	kg(WITHOUT VALVES)
Ductile Iron	0.55	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

			•
Υ	BODY MATERIAL		R
		4 [	E
A	HIGH-STRENGTH ALUMINUM		

		PORT SIZE	
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
RDOA	RD08W20AL(20LPM,80-210bar)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	

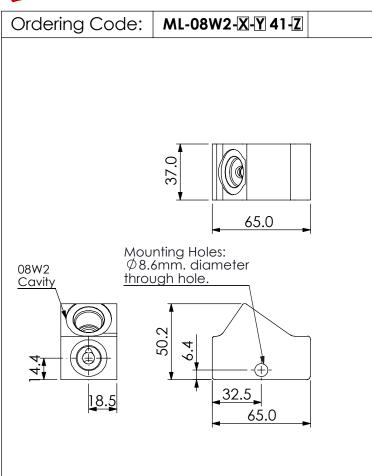
# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-汉中之)

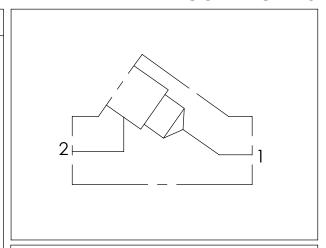
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)



**UNIT:mm** 

# STANDARD MANIFOLD LINE MOUNT BODIES





### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 08W2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.19	kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.





	I	PORT SIZE	
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	
		•	

l		
Υ	BODY MATERIAL	RD0
	LUCII CTRENCTU ALUAAINUAA	CVO
Α	HIGH-STRENGTH ALUMINUM	NVC
		NC
		EPO
		EPO
1		

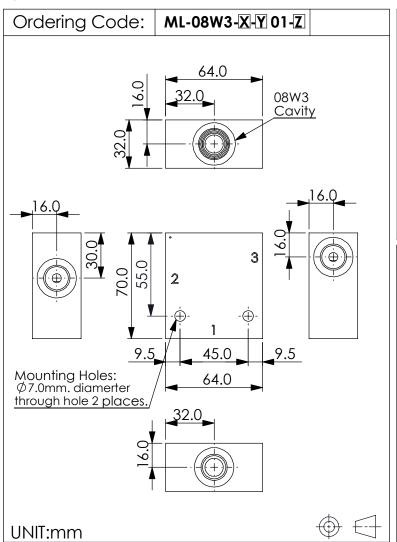
Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
RD0A	RD08W20AL(20LPM,80-210bar)	
CV03	CV08W2003N (30LPM,0.3bar)	
NVON	NV08W20NL (350bar)	
NC0N	NC08W20NL (350bar)	
EP01	EP08W2A01N05 , 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP08W2A02N05 , 40LPM,350bar (NORMALLY OPEN,WITHOUT COIL)	
COIL	MUST BE ORDERED SEPAR	RATELY

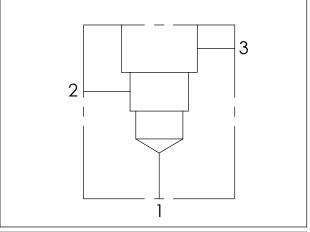
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure . ... etc.)

(REFER TO EC-04W(X)(Y)(Z)

Rev.120116 M.08W.204







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 08W3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.32 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	ı	PORT SIZE	
X	PORTS	PORT	
	1,2	3	
G03	G 3/8"	G 3/8"	

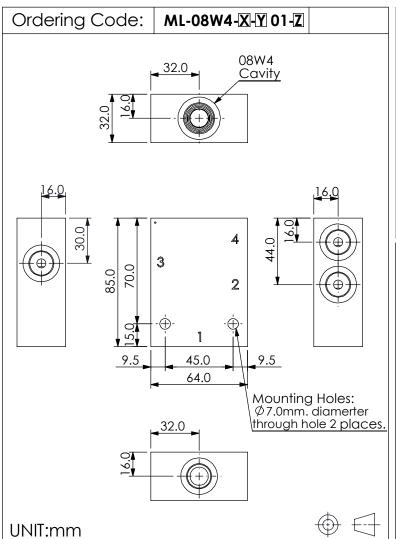
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM

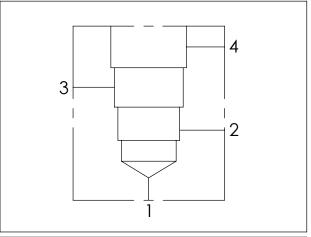
Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
CO17	CO08W3017L (30LPM , 1.7bar)	
SQ3B	SQ08W33BL (10.0-90.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.120116 M.08W,301







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 08W4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.4	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	F	PORT SIZE	
X	PORTS	PORT	
	1,2,3	4	
G03	G 3/8"	G 3/8"	

	BODY MA	ATERIAL
HIGH-S1	RENGTH ALUMII	MUM
		<u>'</u>

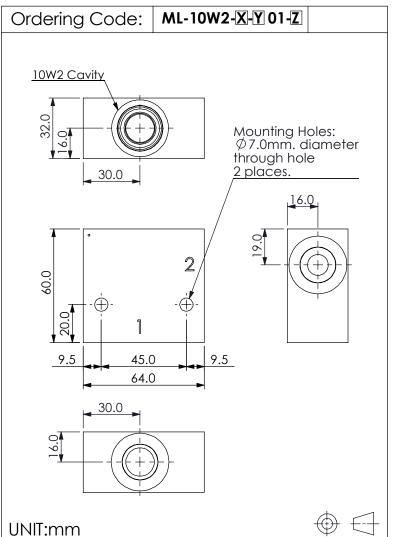
Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
ES10	ES08W4A10N04 (12LPM,210bar) (NORMALLY CLOSED,WITHOUT COIL)	
ES11	ES08W4A11N04 (15LPM,210bar) (NORMALLY OPEN,WITHOUT COIL)	

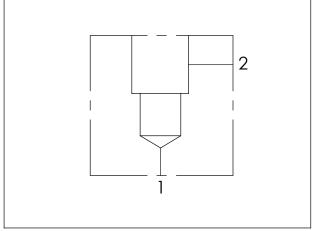
# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.120116 M.08W.401







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 10W2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.26 kg(WITHOUT VALVES)	
Ductile Iron	0.73 kg(WITHOUT VALVES)	

<sup>\*</sup> If you need the special specification. Please contact us.

Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM

	PORT SIZE		
X	PORT	PORT	
	1	2	
G04	G 1/2"	G 1/2"	

Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
RPOA	RP10W20AL(95LPM,7-210bar)	
CROA	CR10W20AL (60LPM,240bar)	
CV03	CV10W2003N (0.3bar)	
NVON	NV10W20NL (350bar)	
FR18	FR10W2018N (1.8LPM,240bar)	
EP01	EP10W2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP10W2A02N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
0011		\ A TEL\/

# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W [公司])

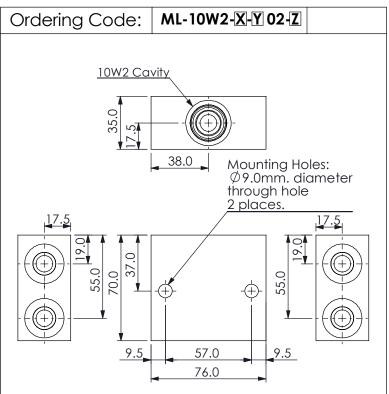
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

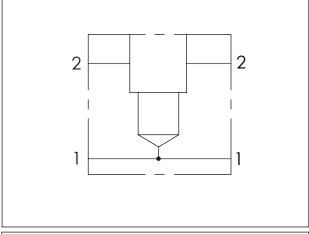
Rev.120116

S

**DUCTILE IRON** 







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

350 bar Body Pressure Rating:

## Cavity:

### Refer to 10W2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.45 kg(WITHOUT VALVES)

\* If you need the special specification. Pléase contact us.

### **UNIT:mm**





	I	PORT SIZE	
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

Α	HIGH-STRENGTH ALUMINUM	

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	
RPOA	RP10W20AL(95LPM,7-210bar)	
CR0A	CR10W20AL (60LPM,240bar)	
CV03	CV10W2003N (0.3bar)	
NVON	NV10W20NL (350bar)	
FR18	FR10W2018N (1.8LPM,240bar)	
EP01	EP10W2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP10W2A02N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	

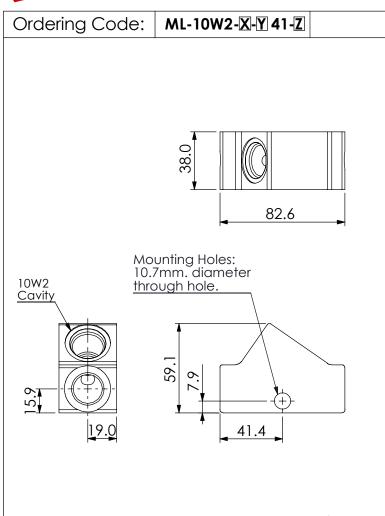
### COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W\(\overline{M\overline{1}}\overline{1})

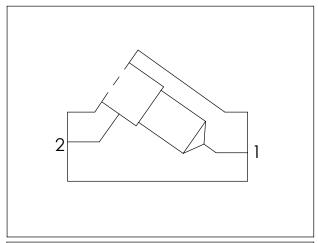
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure ... etc.)



**UNIT:mm** 

# STANDARD MANIFOLD LINE MOUNT BODIES





# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 10W2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.28 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

	PORI SIZE		
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	
RPOA	RP10W20AL(95LPM,7-210bar)	
CR0A	CR10W20AL (60LPM,240bar)	
CV03	CV10W2003N (0.3bar)	
NVON	NV10W20NL (350bar)	
FR18	FR10W2018N (1.8LPM,240bar)	
EPO1	EP10W2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
EP02	EP10W2A02N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)	
COII	MUST BE ORDERED SEPAR	PATFLY

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure ... etc.)

(REFER TO EC-04W\\(\overline{\Overl

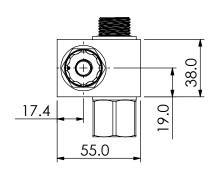
_	

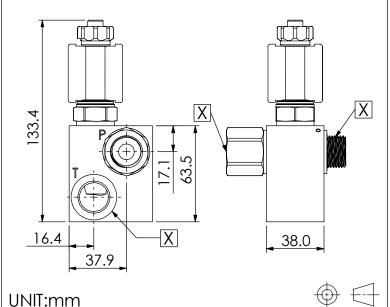
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM

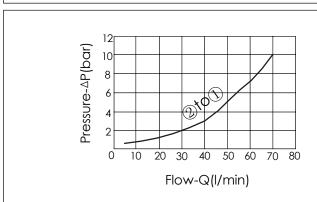
Rev.120116 M.10W.204



Ordering Code: ML-10W2-X-Y 51-Z







Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM

(Poppet 2-Way Normally -Closed Cartridge Style) (Poppet 2-Way Normally -Open Cartridge Style) X = EPO2(P)X=EPO1(M)2 2 W J J **₩** 1 1

### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 250 bar

Ductile Iron 350 bar

Body Pressure Rating:

Rated flow: 70 I/min

Cartridge Valve:
Refer to EP10W-X-Y-Z

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.44 kg(WITHOUT VALVES) 0.60 kg(INCLUDE VALVES ,WITHOUT COILS)

\* If you need the special specification. Pléase contact us.

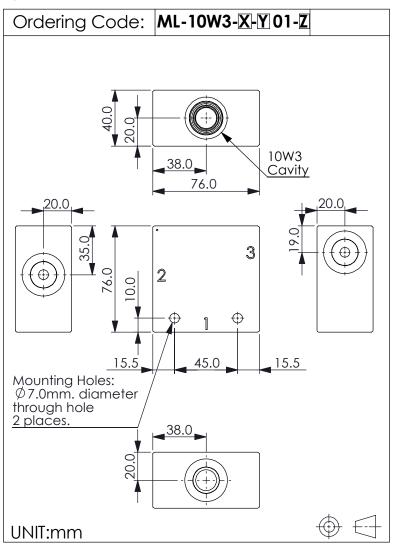
	PORT SIZE		
X	PORT	PORT	
	Р	T	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

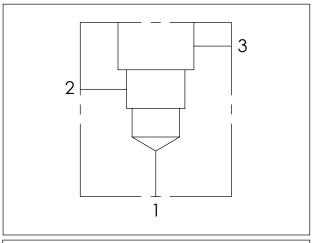
Z	SELECTION FOR SOLENOID VALVES (REFER TO EP10W-X-Y-Z)		
	WITHOUT VALVE		
EP01	EP10W2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP02	EP10W2A02N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP01M	EP10W2A01M05 , 70LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)		
EP02P	EP10W2A02P05 , 70LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE,WITHOUT COIL)		

### COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

### Refer to 10W3

\* Refer to Winner Cartridge Valve Catalog.

Aluminum	0.52 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

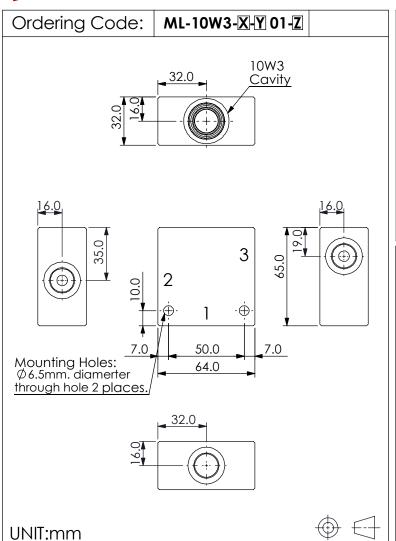
PORT SIZE			
X	PORTS	PORT	
	1,2	3	
G04	G 1/2"	G 1/2"	

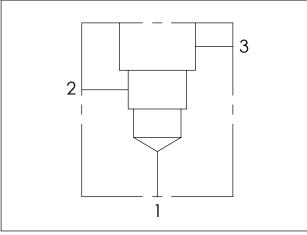
BODY MATERIAL	
HIGH-STRENGTH ALUMINUM	

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
FR3L	FR10W33NL(38LPM,240bar)		
FR1L	FR10W31NL(13LPM,240bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Cavity:

Refer to 10W3

\* Refer to Winner Cartridge Valve Catalog.

Aluminum	0.3 kg(WITHOUT VALVES)
Ductile Iron	0.92 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

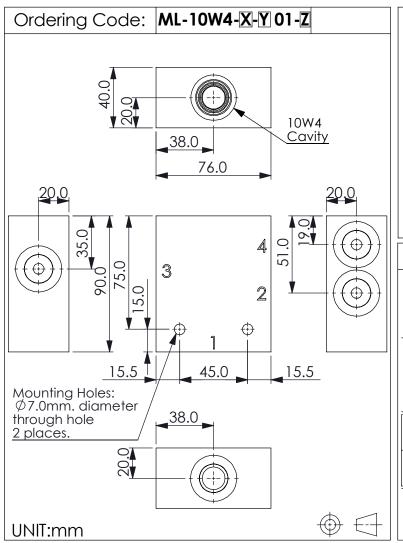
	PORT SIZE		
X	PORTS	PORT	
	1,2	3	
G03	G 3/8"	G 3/8"	
P03	3/8" PT	3/8" PT	

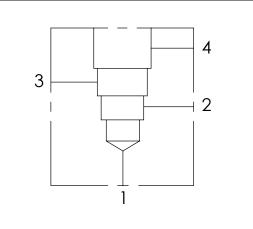
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION		
FR3L	FR10W33NL(38LPM,240bar)		
FR1L FR10W31NL(13LPM,240bar)			

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

### Refer to 10W4

\* Refer to Winner Cartridge Valve Catalog.

Alu	minum	0.61	kg(WITHOUT VALVES)

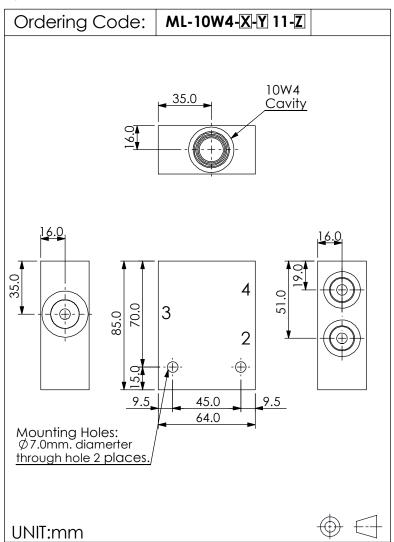
\* If you need the special specification. Please contact us.

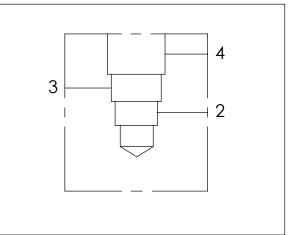
	PORT SIZE		
X	PORTS	PORT	
	1,2,3	4	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

BODY MATERIAL		
HIGH-STRENGTH ALUMINUM		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 10W4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.37 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	PORT SIZE		
X	PORT	PORTS	
	3	2,4	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 3/8"	

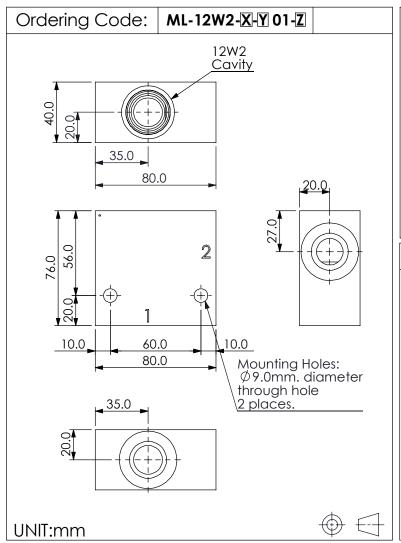
Y	BODY MATERIAL				
Α	HIGH-STRENGTH ALUMINUM				

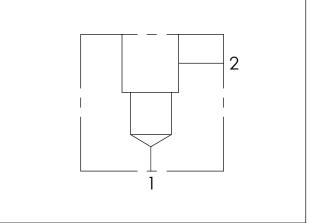
Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			
FD4003	FD10W4003N (1.2-3 LPM , Ratio 50:50)			
FD4137	FD10W4137N (15-37 LPM , Ratio 50:50)			
<b>FD4244</b> FD10W4244N (18-44 LPM ,Ratio 50:50)				

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure pressure

Rev.120116 M.10W.411







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

## Cavity:

### Refer to 12W2

\* Refer to Winner Cartridge Valve Catalog.

Aluminum	0.51	kg(WITHOUT VALVES)
Ductile Iron	1.50	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	ı	PORT SIZE	
X	PORT	PORT	
	1	2	
G06	G 3/4"	G 3/4"	

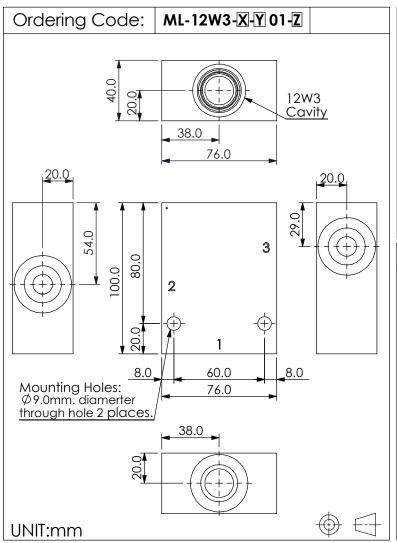
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

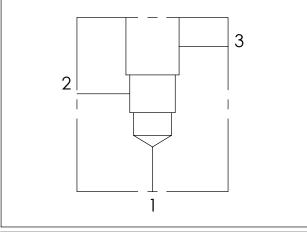
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
CV03			
NVON	NV12W20NL (350bar)		
EP01	EP12W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP02 EP12W2A02N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)			
COIL	COIL MUST BE ORDERED SEPARATELY		

# 

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

## Refer to 12W3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.62 kg(WITHOUT VALVES)	

<sup>\*</sup> If you need the special specification. Please contact us.

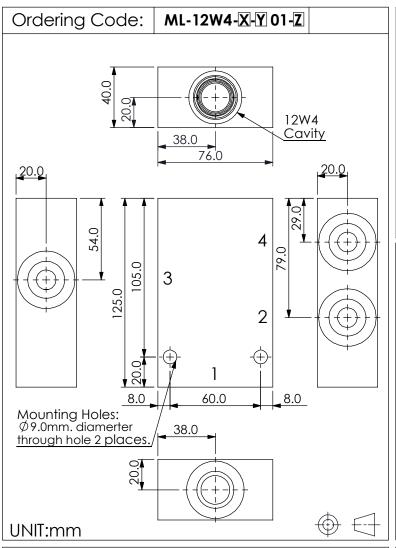
	PORT SIZE		
X	PORTS	PORT	
	1,2	3	
G06	G 3/4"	G 3/4"	

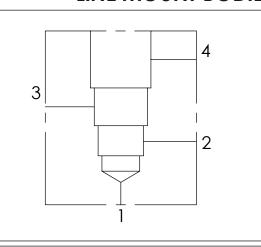
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

Z	CARTRIDGE VALVES SELECTION	
	WITHOUT VALVE	

Rev.120116 M.12W.301







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 12W4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.76 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

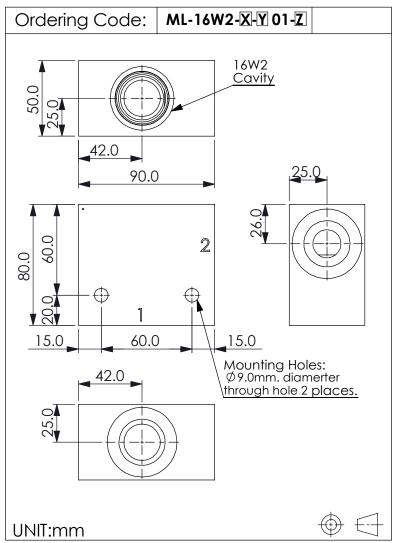
	PORT SIZE		
X	PORTS	PORT	
	1,2,3	4	
G06	G 3/4"	G 3/4"	

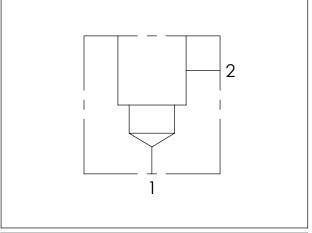
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

Rev.120116 M.12W.401







## **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 16W2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.73 kg(WITHOUT VALVES)	0.73
Ductile Iron	2.18 kg(WITHOUT VALVES)	2.18

<sup>\*</sup> If you need the special specification. Please contact us.

Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

	PORT SIZE		
X	PORT	PORT	
	1	2	
G08	G 1"	G 1"	

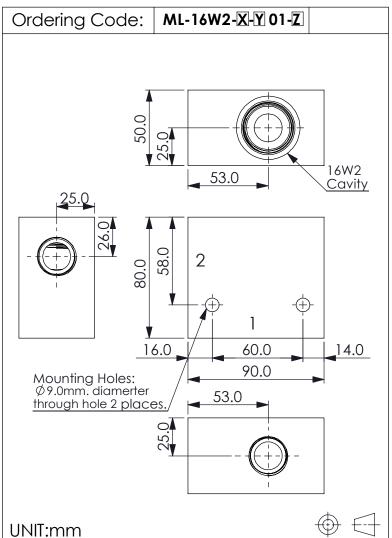
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
CV03	CV16W2003N (90LPM , 240bar)		
NVON	NV16W20NL (350bar)		
EP01	EP16W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP02	EP16W2A02N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		

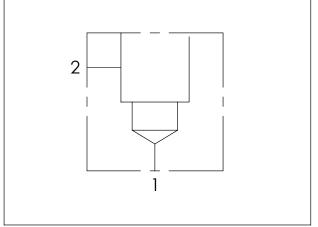
# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \( \) pressure \( \) ... etc.)

M.16W.201







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 16W2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.78 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	PORI SIZE		
X	PORT	PORT	
	1	2	
P06	3/4"PT	3/4"PT	
P08	1"PT	1"PT	

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
CV03	CV16W2003N (90LPM , 240bar)		
NVON	NV16W20NL (350bar)		
EP01	EP16W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP02	EP16W2A02N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		

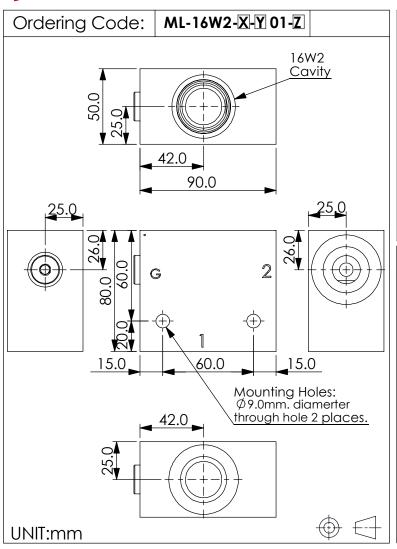
# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W $\fill$ $\fill$ $\fill$ 2)

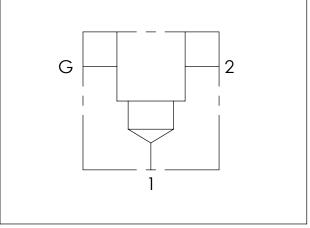
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure ... etc.)

Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

Rev.120117







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 16W2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.72 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

		PORT SIZE	
X	PORTS	PORT	
	1,2	G	
G08G	G 1"	G 1/4"	

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
CV03	CV16W2003N (90LPM , 240bar)		
NVON	NV16W20NL (350bar)		
EP01	EP16W2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP02	EP16W2A02N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		

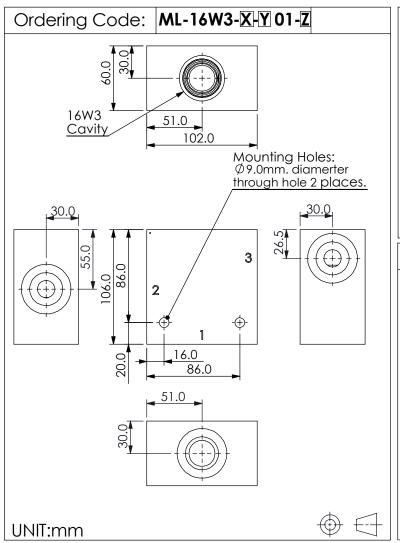
# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

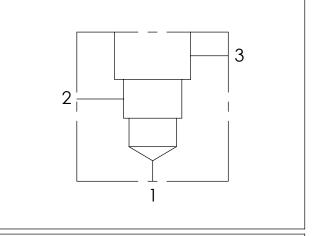
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure ... etc.)

Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

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# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

# Refer to 16W3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.4	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

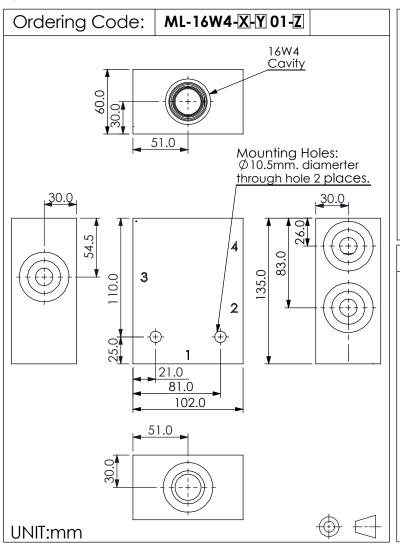
		PORT SIZE	
X	PORTS	PORT	
	1,2	3	
G08	G 1"	G 1"	

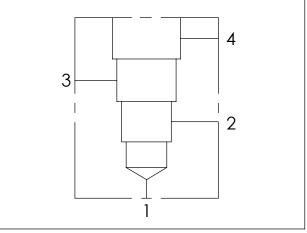
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

Rev.120117 M.16W.301







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

# Refer to 16W4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.78 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

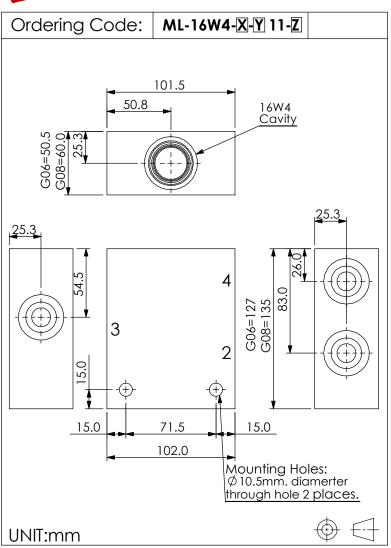
X		PORT SIZE	
	PORTS	PORT	
	1,2,3	4	
G08	G 1"	G 1"	

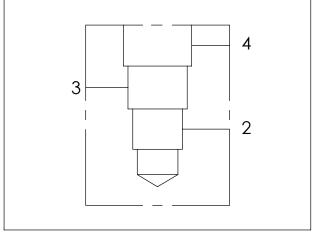
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM

Z	CARTRIDGE VALVES SE	LECTION
	WITHOUT VALVE	

Rev.120117







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 16W4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.42 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	i	PORT SIZE	
X	PORTS	PORT	
	2,3	4	
G06	G 3/4"	G 3/4"	
G08	G 1"	G 1"	

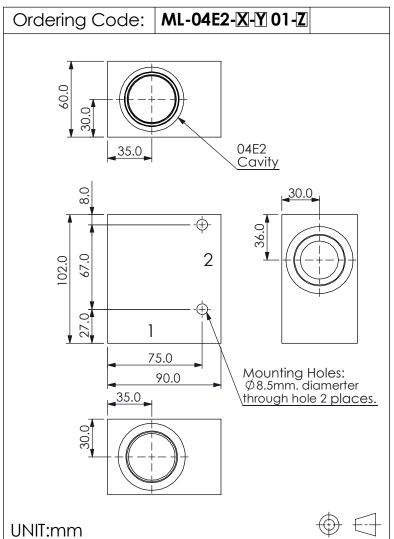
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

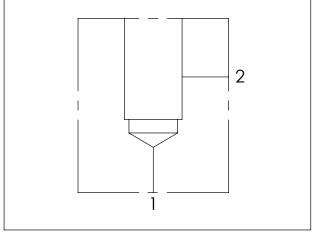
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
FD90	FD16W4090N(30-90LPM,10-350bar ,RATIO 50:50)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.120207 M.16W.411







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 04E2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.85	kg(WITHOUT VALVES)
Ductile Iron	2.90	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

Y	BODY MATERIAL

	PORT SIZE		
X	PORT	PORT	
	1	2	
G08	G 1"	G 1"	
G10	G1-1/4"	G1-1/4"	

Y BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

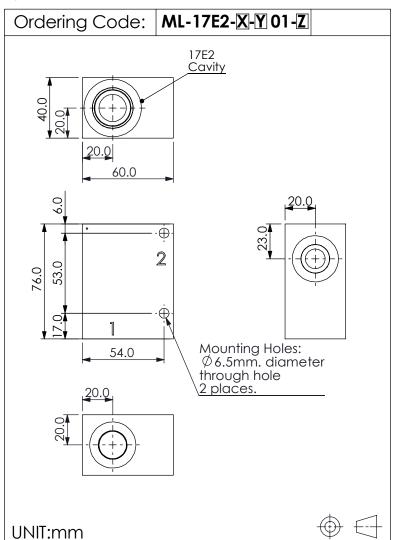
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
EP01	EP04E2A03N05 , 260LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP02	EP04E2A04N05 , 260LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP01M	EP04E2A03M05 , 260LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP02P	EP04E2A04P05 , 260LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
COIL	MIST BE ODDEDED CEDAL	DATELV	

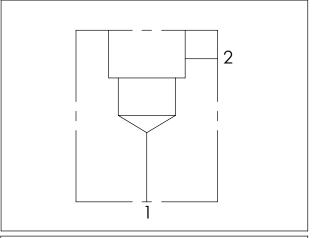
# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W[]A[])

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Rev.120117 M.04E.201







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 17E2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.38	kg(WITHOUT VALVES)
Ductile Iron	1.15	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

	PORI SIZE		
X	PORT	PORT	
	1	2	
G04	G 1/2"	G 1/2"	
G06	G 3/4"	G 3/4"	
G06C	G 3/4"	G 1/2"	
P04	1/2"PT	1/2"PT	
P06	3/4"PT	3/4"PT	

Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	

Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			
CV03	CV17E2203N(60LPM,0.3bar)			
NVON	NV17E20NL(350bar)			
EPO1	EP17E2A01N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)			
EP02	EP17E2A02N05 , 70LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)			
COIL MUST BE ORDERED SEPARATELY				

# 

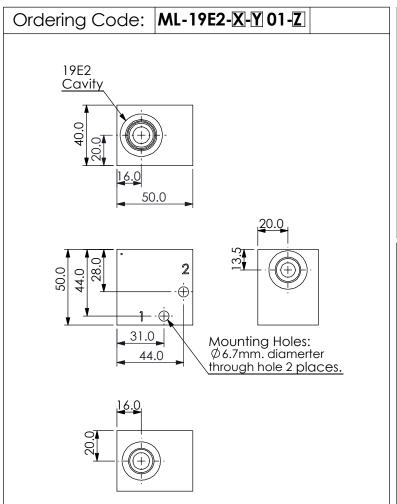
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure ... etc.)

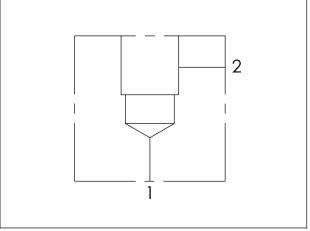
Rev.120117 M.17E.201



**UNIT:mm** 

# STANDARD MANIFOLD LINE MOUNT BODIES





# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 19E2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.22 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

Υ	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

	PORT SIZE		
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

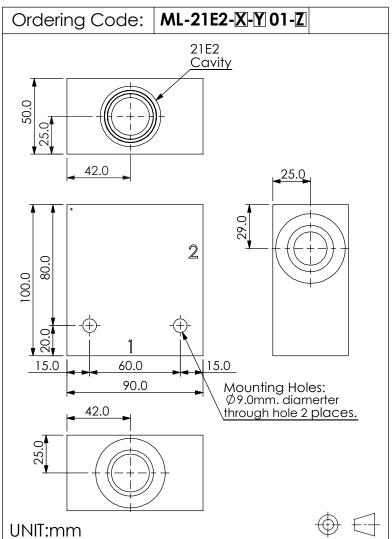
Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		
EP11	EP19E2A11N05, 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP12	EP19E2A12N05, 40LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP11M	EP19E2A11M05, 40LPM,350bar(NORMALLY CLOSED WITH KNOB STYLE MANUAL OVERRIDE,WITHOUT COIL)		
EP12P	EP19E2A12P05, 40LPM,350bar(NORMALLY OPEN WITH PUSH STYLE MANUAL OVERRIDE, WITHOUT COIL)		

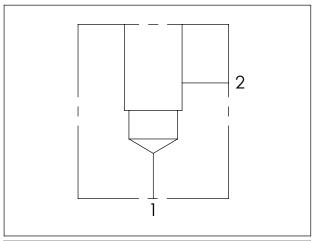
# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure ... etc.)

Rev.120117 M.19E.201







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 21E2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.95 kg(WITHOUT VALVES)	0.95
Ductile Iron	2.65 kg(WITHOUT VALVES)	2.65

<sup>\*</sup> If you need the special specification. Please contact us.

	PORT SIZE		
X	PORT	PORT	
	1	2	
G08	G 1"	G 1"	

Z	CARTRIDGE VALVES SELECTION		
WITHOUT VALVE			
CV10	CV21E2210N(100LPM,1.0bar)		
NVON	<b>NVON</b> NV21E20NL(350bar)		
EP01	EP21E2A01N05 , 150LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		
EP02	EP21E2A02N05 , 150LPM,350bar (NORMALLY OPEN,WITHOUT COIL)		

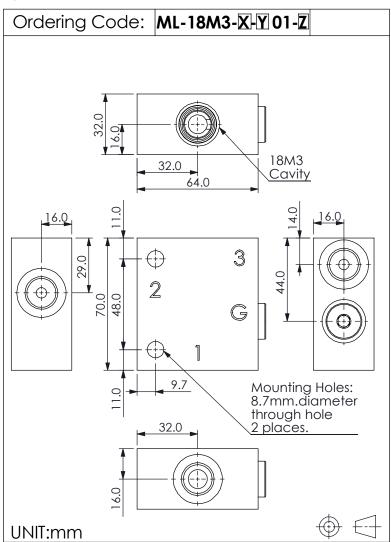
# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

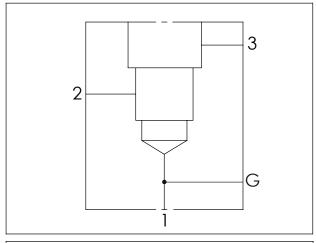
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

Υ	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Rev.120117







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

# Cavity:

### Refer to 18M3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.35	kg(WITHOUT VALVES)
Ductile Iron	0.9	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

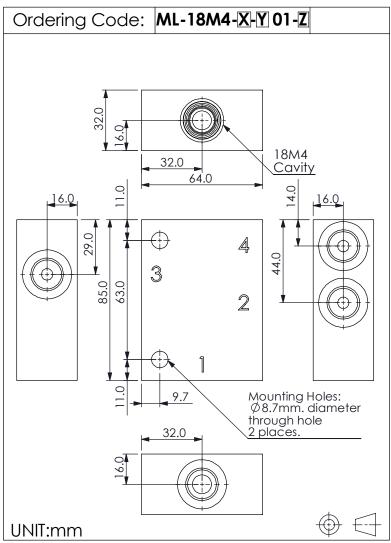
		PORT	SIZE	
X	PORTS	PORT	PORT	
	1,2	3	G	
G03G	G 3/8"	G 3/8"	G 1/4"	

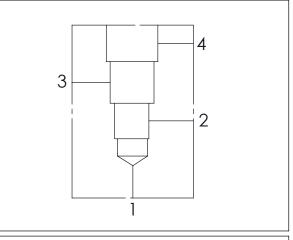
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

Rev.120117 M.18M.301







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

# Refer to 18M4

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.4 kg(WITHOUT VALVES)	
Ductile Iron	1.1 kg(WITHOUT VALVES)	

<sup>\*</sup> If you need the special specification. Please contact us.

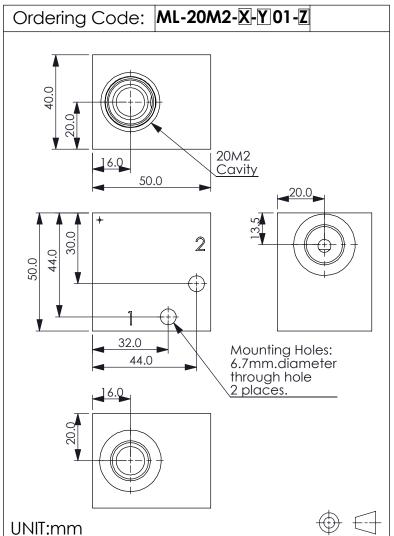
		PORT SIZE	
X	PORTS	PORTS	
	1,2	3,4	
G03	G 3/8"	G 3/8"	

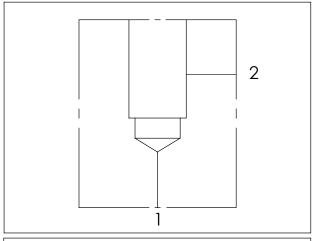
Y	BODY MATERIAL HIGH-STRENGTH ALUMINUM		
Α			
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			

Rev.120117 M.18M.401







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

Refer to 20M2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25 kg(WITH	OUT VALVES)
Ductile Iron	0.65 kg(WITH	OUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

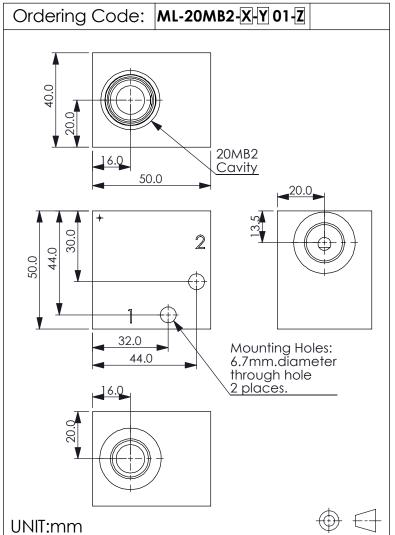
		PORT SIZE	
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

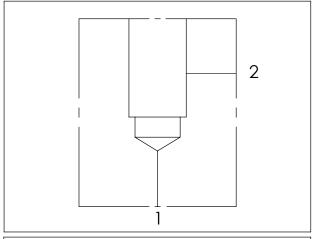
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			

L | Rev.120117 | M.20M.201







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

Refer to 20MB2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.25	kg(WITHOUT VALVES)
Ductile Iron	0.65	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

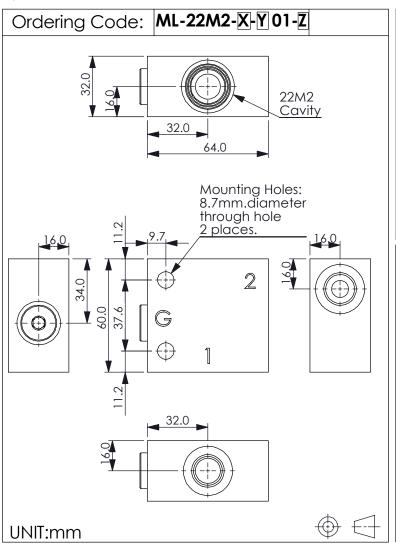
		PORT SIZE	
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

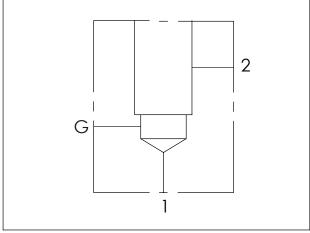
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION			
	WITHOUT VALVE			

Rev.120117 J. M.20MB.201







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 22M2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.3	kg(WITHOUT VALVES)
Ductile Iron	0.75	kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

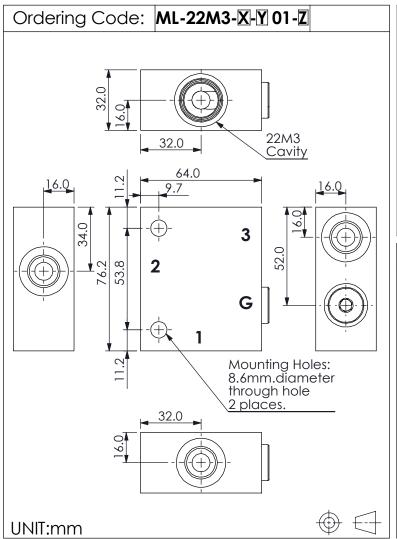
		PORT SIZE		
X	PORTS	PORT	PORT	
	1,2	G		
G03G	G 3/8"	G 1/4"		

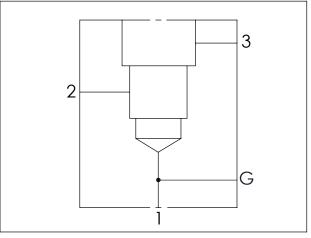
Y	BODY MATERIAL		
Α	HIGH-STRENGTH ALUMINUM		
S	DUCTILE IRON		

Z	CARTRIDGE VALVES SELECTION		
	WITHOUT VALVE		

Rev.120117 M.22M.201







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

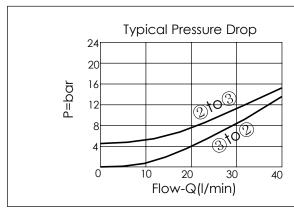
# Cavity:

### Refer to 22M3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.35 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.



	PORT SIZE			
X	PORTS	PORT	PORT	
	1,2	3	G	
G03G	G 3/8"	G 3/8"	G 1/4"	

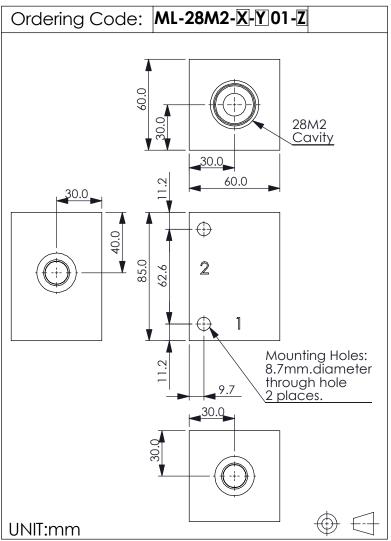
Y	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	

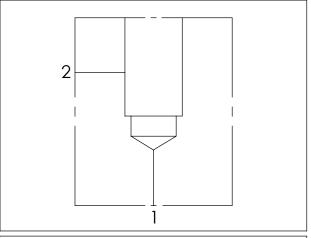
Z	CARTRIDGE VALVES SE	ELECTION
	WITHOUT VALVE	
CO50	CO22M3C50N(30LPM,5.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

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# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

### Refer to 28M2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.71 kg(WITHOUT VALVES)	
Ductile Iron	2.15 kg(WITHOUT VALVES)	

<sup>\*</sup> If you need the special specification. Please contact us.

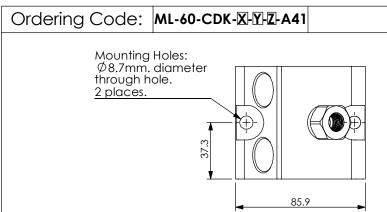
		PORT SIZE	
X	PORT	PORT	
	1	2	
G03	G 3/8"	G 3/8"	

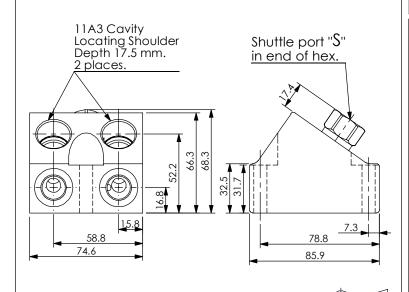
Y	BODY MATERIAL
Α	HIGH-STRENGTH ALUMINUM
S	DUCTILE IRON

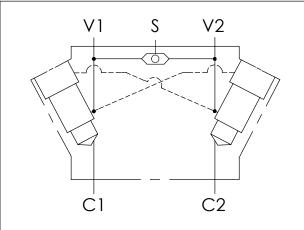
Z	CARTRIDGE VALVES SI	ELECTION
	WITHOUT VALVE	

Rev.120117 M.28M.201









# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

X

11A3

CB0J

Réfer to 11A3

Shuttle valve:

Refer to LS13A20NG02

\* Refer to Winner Cartridge Valves Catalog.

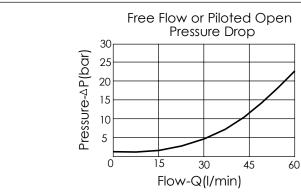
Aluminum	0.72 kg(WITHOUT CONTERBALAN VALVE) (WITH SHUTTLE VALVE)

**CARTRIDGE VALVES SELECTION** 

\* If you need the special specification. Please contact us.

WITHOUT VALVE

CB11A30JL, 10:1, 350bar



**UNIT:mm** 

V	CARTRIDGE VALVES SELECTION	PORT SIZE
	0 15 30 45 60 Flow-Q(I/min)	The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ etc.)
	) N	<b>CB4J</b> CB11A34JL, 4.5:1, 350bar

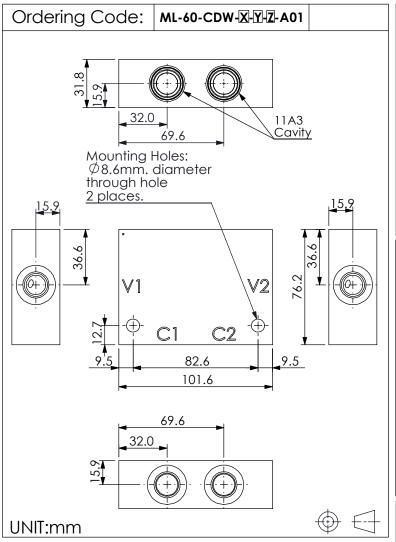
Y	CARTRIDGE VALVES SELECTION	
11A3	WITHOUT VALVE	
CB0J	CB11A30JL , 10:1 , 350bar	
CB4J	CB11A34JL , 4.5:1 , 350bar	

The selection is only example. Please refer to Winner
Cartridge Program and to select the appropriate valves
and maniflods assembly in accordance with request
function (flow \ pressure \ \ etc.)

function	(flow \ pres	ssure 🔪 et	c.)	
		POF	RT SIZE	
Z	PORT	PORT	PORT	
	1	2	S	
G03	G 3/8"	G 3/8"	G 1/4"	

Rev.120117 N.CDK.101





V1 V2	C1 C2
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### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Refer to 11A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.69 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

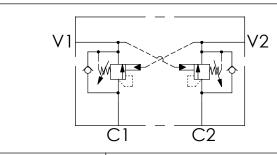
# Y SELECTION FOR V2 PORT CONTROL 11A3 CAVITY ONLY (WITHOUT VALVE) CB3H CB11A33HL (3:1, 280bar) CO20 CO11A3020N (2.0bar)

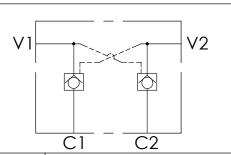
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

X	SELECTION FOR V1 PORT CONTROL		
11A3	CAVITY ONLY (WITHOUT VALVE)		
CB3H	CB11A33HL (3:1, 280bar)		
CO20	CO11A3020N (2.0bar)		

	PORT SIZE		
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G02	G 1/4"	G 1/4"	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

# HYDRAULIC CIRCUITS (WITH VALVES)

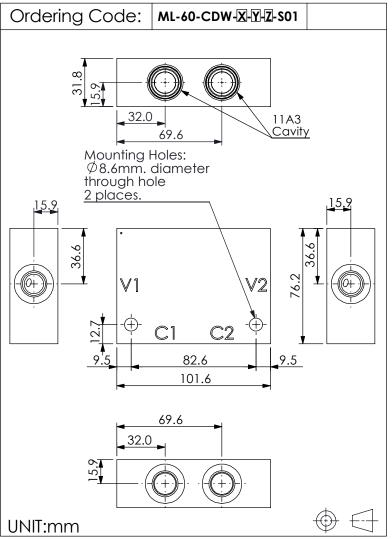




Ordering Code: ML-60-CDW-CB3H-CB3H-A01 Ordering Code: ML-60-CDW-CO20-CO20-A01

Rev.120117 N.CDW.101





V1 V2 C2	2
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### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

350 bar Body Pressure Rating:

Cavity:

Refer to 11A3

\* Refer to Winner Cartridge Valves Catalog.

Ductile Iron	2.11	kg(WITHOUT VALVES)

\* If you need the special specification. Pléase contact us.

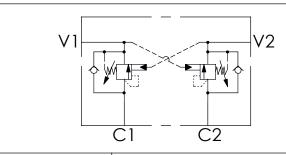
Y	SELECTION FOR V2 PORT CONTROL	
11A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB11A33HL (3:1 , 280bar)	
CO20	CO11A3020N (2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)

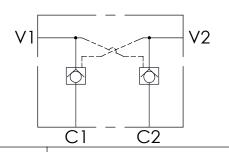
X	SELECTION FOR V1 PORT CONTROL		
11A3	CAVITY ONLY (WITHOUT VALVE)		
СВЗН	CB11A33HL (3:1 , 280bar)		
CO20	CO11A3020N (2.0bar)		

	PORT SIZE		
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G02	G 1/4"	G 1/4"	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

# HYDRAULIC CIRCUITS (WITH VALVES)

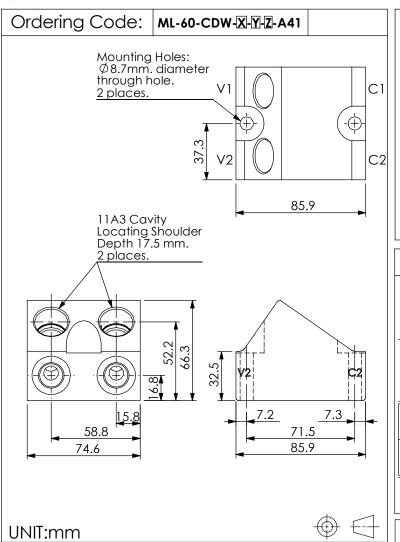


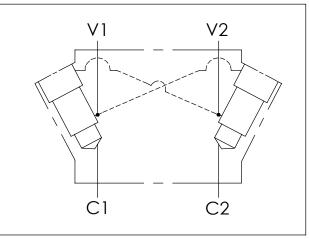
Ordering Code: ML-60-CDW-CB3H-CB3H-S01 Ordering Code: ML-60-CDW-CO20-CO20-S01



N.CDW.102 Rev.120117







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

# Cavity:

Refer to 11A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.65 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

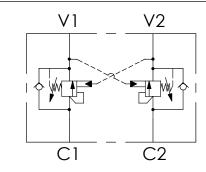
Y	SELECTION FOR V2 PORT CONTROL
11A3	CAVITY ONLY (WITHOUT VALVE)
СВЗН	CB11A33HL (3:1, 280bar)
CO20	CO11A3020N (2.0bar)
	1

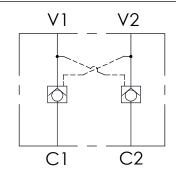
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

X	SELECTION FOR V1 PORT CONTROL		
11A3	CAVITY ONLY (WITHOUT VALVE)		
CB3H	CB11A33HL (3:1, 280bar)		
CO20	CO11A3020N (2.0bar)		

		PORT SIZE	
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

# HYDRAULIC CIRCUITS (WITH VALVES)

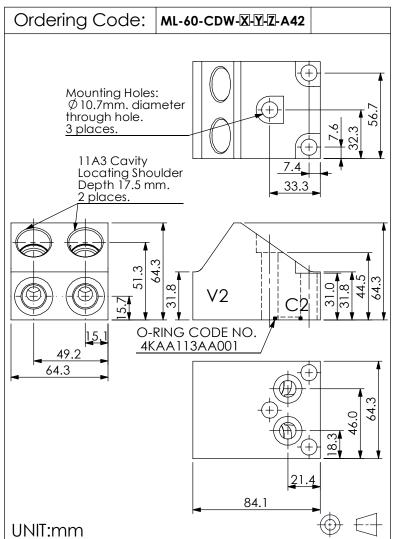




Ordering Code: ML-60-CDW-CB3H-CB3H-A41 Ordering Code: ML-60-CDW-CO20-CO20-A4

Rev.120117 N.CDW.103





V	V2
C	C2

### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

Refer to 11A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.52 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

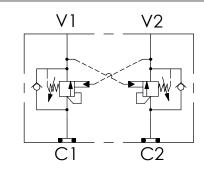
Y SELECTION FOR V2 PORT CONTROL		ROL
11A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	<b>3H</b> CB11A33HL (3:1 , 280bar)	
CB4J	CB11A34JL (4.5:1 , 350bar)	
CO20	CO11A3020N (2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

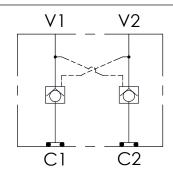
X	SELECTION FOR V1 PORT CONTROL	
11A3	CAVITY ONLY (WITHOUT VALVE)	
CB3H	CB11A33HL (3:1 , 280bar)	
CB4J	CB11A34JL (4.5:1 , 350bar)	
CO20	CO11A3020N (2.0bar)	

PORT SIZE		
Z	PORTS	
	V1,V2	
G03	G 3/8"	

# HYDRAULIC CIRCUITS (WITH VALVES)



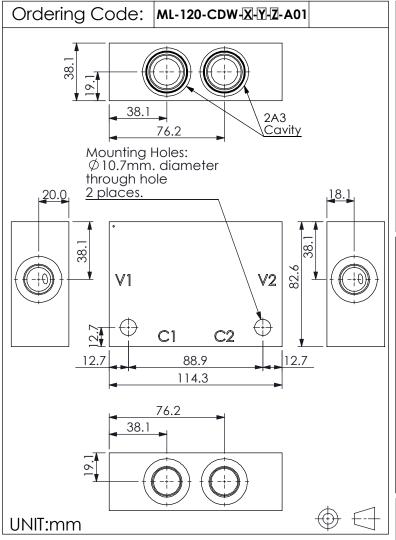
Ordering Code: ML-60-CDW-CB3H-CB3H-A42

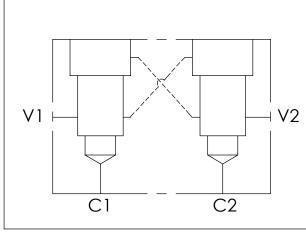


Ordering Code: ML-60-CDW-CO20-CO20-A42

Rev.120117







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Refer to 2A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.72 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

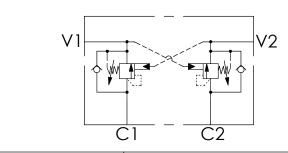
Y SELECTION FOR V2 PORT CONTROL		ROL
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1 , 280bar)	
CO20	CO20 CO2A3020N (2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

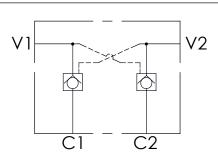
X	SELECTION FOR V1 PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1, 280bar)	
CO20	CO2A3020N (2.0bar)	

		PORT SIZE	
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

# HYDRAULIC CIRCUITS (WITH VALVES)



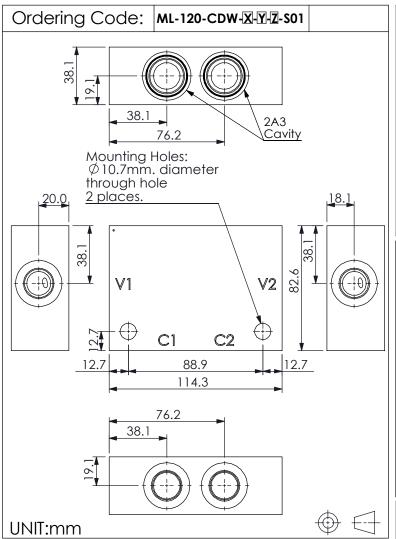
Ordering Code: ML-120-CDW-CB3H-CB3H-A01



Ordering Code: ML-120-CDW-CO20-CO20-A01

Rev.120117 N.CDW.201





V1 V2 C2	2
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### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Refer to 2A3

\* Refer to Winner Cartridge Valves Catalog.

Ductile Iron	2.21	kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

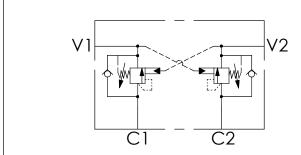
Y	SELECTION FOR V2 PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

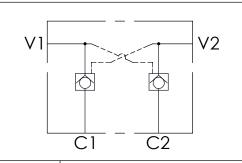
X	SELECTION FOR V1 PORT	CONTROL
2A3	CAVITY ONLY (WITHOUT VALVE)	
CB3H	CB2A33HL (3:1, 280bar)	
CO20	CO2A3020N (2.0bar)	

		PORT SIZE	
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G03	G 3/8"	G 3/8"	
G04	G 1/2"	G 1/2"	

# HYDRAULIC CIRCUITS (WITH VALVES)



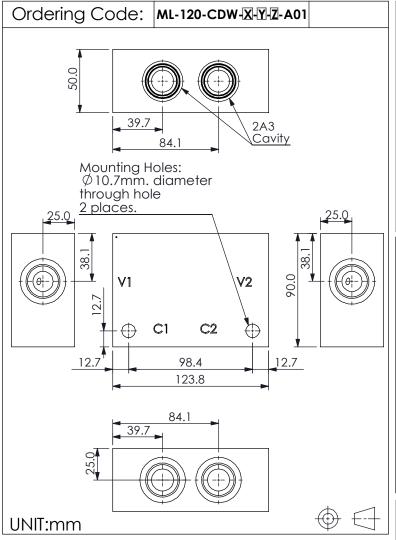
Ordering Code: ML-120-CDW-CB3H-CB3H-S01

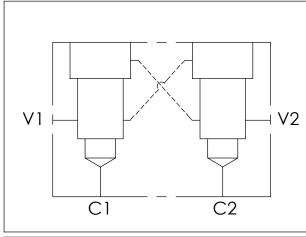


Ordering Code: ML-120-CDW-CO20-CO20-S01

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### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Refer to 2A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.21	kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

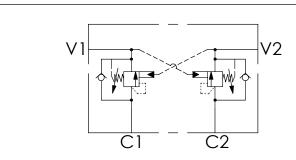
Y	SELECTION FOR V2 PORT CONT	ROL
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)

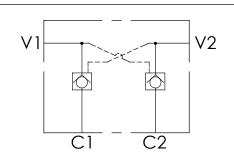
X	SELECTION FOR V1 PORT	CONTROL
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1, 280bar)	
CO20	CO2A3020N (2.0bar)	

		PORT SIZE	
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G06	G 3/4"	G 3/4"	

# HYDRAULIC CIRCUITS (WITH VALVES)



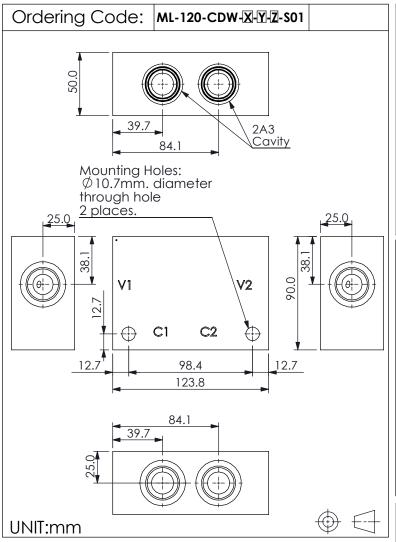
Ordering Code: ML-120-CDW-CB3H-CB3H-A01



Ordering Code: ML-120-CDW-CO20-CO20-A01

Rev.120117





V1 V2
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### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Refer to 2A3

\* Refer to Winner Cartridge Valves Catalog.

Ductile Iron	3.32 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

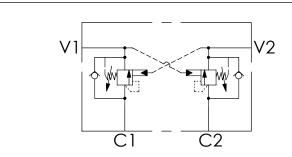
Y	SELECTION FOR V2 PORT CONT	ROL
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

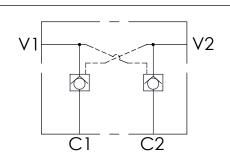
X	SELECTION FOR V1 PORT	CONTROL
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1, 280bar)	
CO20	CO2A3020N (2.0bar)	

		PORT SIZE	
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G06	G 3/4"	G 3/4"	

# HYDRAULIC CIRCUITS (WITH VALVES)



Ordering Code: ML-120-CDW-CB3H-CB3H-S01



Ordering Code: ML-120-CDW-CO20-CO20-S01

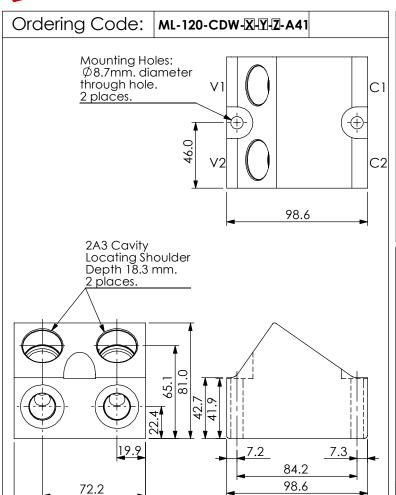
Rev.120117



92.0

**UNIT:mm** 

# STANDARD MANIFOLD LINE MOUNT BODIES



C1 C2
-------

### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

# Cavity:

Réfer to 2A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.18 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

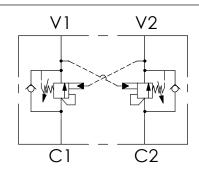
Y	SELECTION FOR V2 PORT CONTROL	
2A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB2A33HL (3:1 , 280bar)	
CO20	CO2A3020N (2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

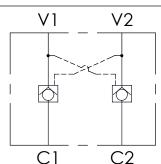
X	SELECTION FOR V1 PORT CONTROL		
2A3	CAVITY ONLY(WITHOUT VALVE)		
СВЗН	<b>CB2</b> A33HL (3:1 , 280bar)		
CO20	CO2A3020N (2.0bar)		

		PORT SIZE	
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G04	G 1/2"	G 1/2"	
G06	G 3/4"	G 3/4"	

# HYDRAULIC CIRCUITS (WITH VALVES)



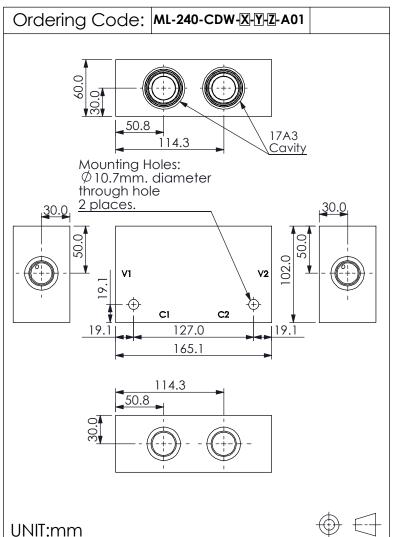
Ordering Code: ML-120-CDW-CB3H-CB3H-A41

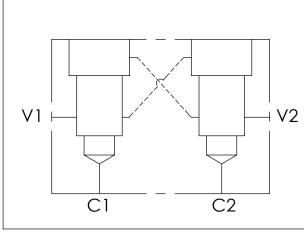


Ordering Code: ML-120-CDW-CO20-CO20-A41

Rev.120118 N.CDW.205







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Refer to 17A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	2.2 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

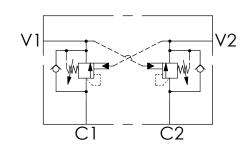
# Y SELECTION FOR V2 PORT CONTROL 17A3 CAVITY ONLY (WITHOUT VALVE) CB3H CB17A33HL (3:1, 280bar) CO20 CO17A3020N (2.0bar)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

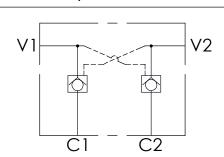
X	SELECTION FOR V1 PORT CONTROL		
17A3	CAVITY ONLY (WITHOUT VALVE)		
CB3H	CB17A33HL (3:1 , 280bar)		
CO20	CO17A3020N (2.0bar)		

	PORT SIZE		
Z	PORTS	PORTS	
	V1,V2	C1,C2	
G06	G 3/4"	G 3/4"	
G08	G1"	G1"	
G10	G1-1/4"	G1-1/4"	

# HYDRAULIC CIRCUITS (WITH VALVES)



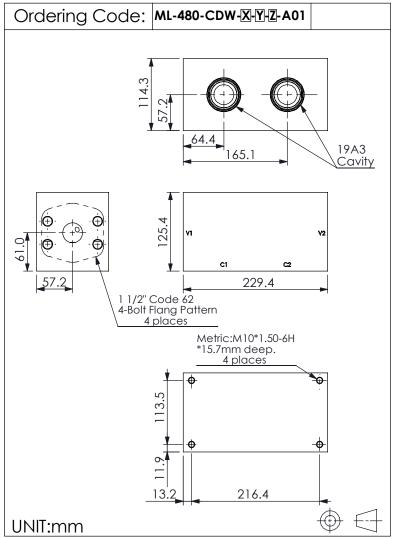
Ordering Code: ML-240-CDW-CB3H-CB3H-A01

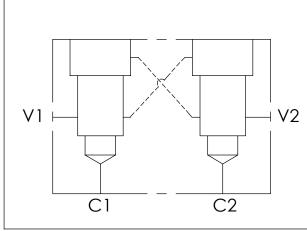


Ordering Code: ML-240-CDW-CO20-CO20-A01

Rev.120117 N.CDW.301







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating: 350 bar

Cavity:

Réfer to 19A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	7.29 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

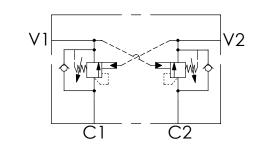
Y	SELECTION FOR V2 PORT CONTROL	
19A3	CAVITY ONLY (WITHOUT VALVE)	
СВЗН	CB19A33HL (3:1, 280bar)	
CO20	O CO19A3020N (2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

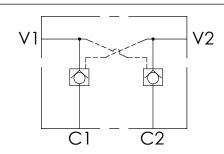
X	SELECTION FOR V1 PORT CONTROL		
19A3	CAVITY ONLY (WITHOUT VALVE)		
СВЗН	CB19A33HL (3:1 , 280bar)		
CO20	CO19A3020N (2.0bar)		

	PORT SIZE		
Z	PORTS	PORTS	
	V1,V2	C1,C2	
F60	1 1/2" Code 62 4-Bolt Flang Pattern	1 1/2" Code 62 4-Bolt Flang Pattern	

# HYDRAULIC CIRCUITS (WITH VALVES)



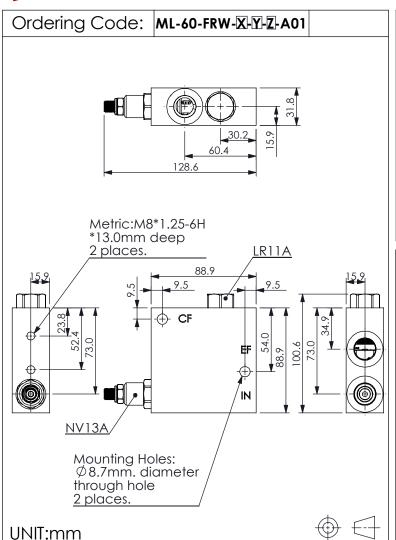
Ordering Code: ML-480-CDW-CB3H-CB3H-A01

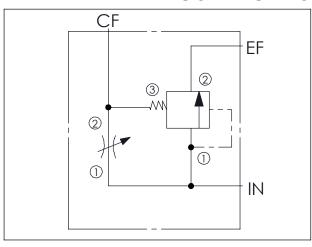


Ordering Code: ML-480-CDW-CO20-CO20-A01

Rev.120117 N.CDW.401







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

Rated flow:

60 LPM

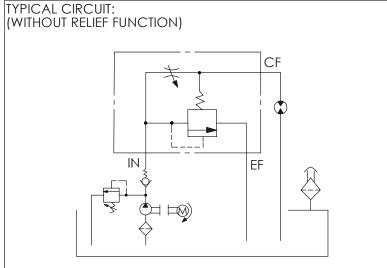
Cavity:

Réfer to 13A2 11A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum 0.88 kg(INCLUDE VALVES)

\* If you need the special specification. Pléase contact us.



CF	13A2	WITHOU
	NV84	NV13A288
IN EF	Cartridge and man	ction is only exa e Program and t iflods assembly (flow \ pressure
		PC

Y	BYPASS COMPENSATOR	
11A3	WITHOUT VALVE	
LR140	LR11A30140N(60LPM, $\Delta$ $P$ =14bar)	

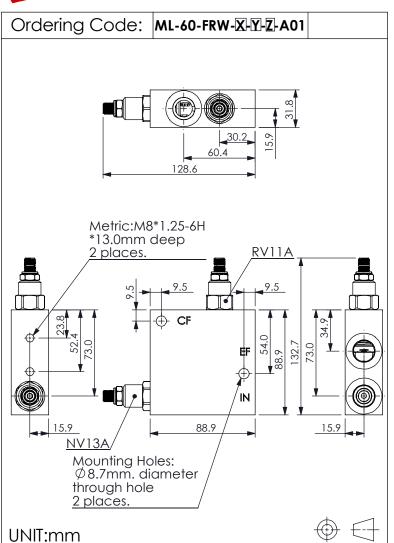
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

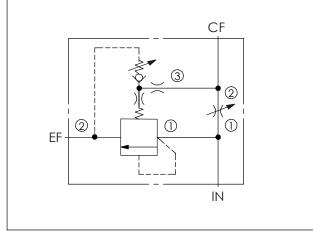
X	NEEDLE VALVES	
13A2	WITHOUT VALVE	
NV84	NV13A2884L	

ample. Please refer to Winner to select the appropriate valves y in accordance with request re 、 ... etc.)

	PO	RT SIZE	
Z	PORTS	PORT	
	IN,EF	CF	
G04	G 1/2"	G 1/2"	







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

Rated flow:

60 LPM

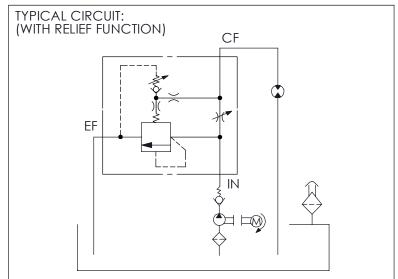
Cavity:

Réfer to 13A2 11A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum 0.88 kg(INCLUDE VALVES)

\* If you need the special specification. Please contact us.



Υ	BYPASS COMPENSATOR	
11A3	WITHOUT VALVE	
RVOA	RV11A3BAL(40LPM, $\Delta$ P=7bar)	

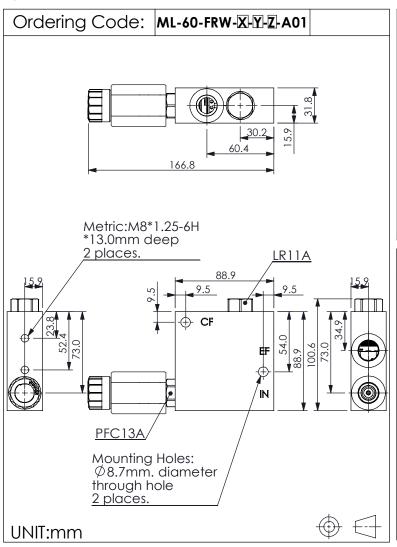
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

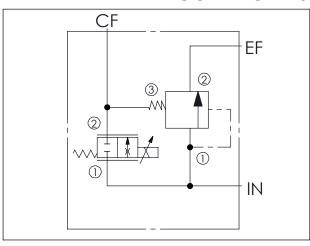
X	NEEDLE VALVES	
13A2	WITHOUT VALVE	
NV84	NV13A2884L	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow  $\cdot$  pressure  $\cdot$  ... etc.)

	PO	RT SIZE	
Z	PORTS	PORT	
	IN,EF	CF	
G04	G 1/2"	G 1/2"	







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

Rated flow:

40 LPM

Cavity:

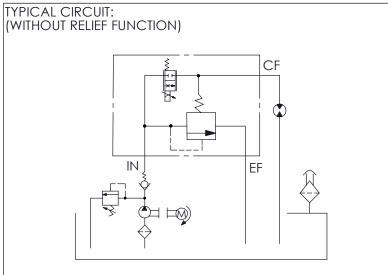
X

Réfer to 13A2 11A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum 1.1 kg(INCLUDE VALVES)

\* If you need the special specification. Please contact us.



	(	
13A2	CAVITY ONLY(WITHOUT VALVE)	
PFC06	PFC13A2D0060N(0.4~6LPM)	
PFC14	PFC13A2D0140N(0.6~14LPM)	
PFC28	PFC13A2D0280N(0.8~28LPM)	
PFC40	PFC13A2D0400N(1.0~40LPM)	
COIL MUST BE ORDERED SEPARATELY		

SELECTION FOR FLOW CONTROL VALVE

(REFER TO PFC13A-X-Y-Z)

# (REFER TO EC-19A-X-Y-Z) The selection is only example. Please refer to Winner

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

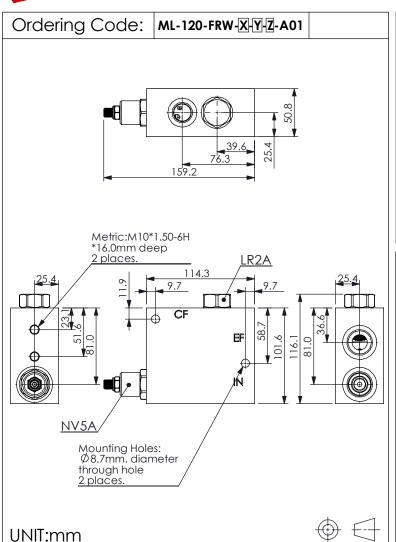
Y	BYPASS COMPENSATOR	
11A3	WITHOUT VALVE	
LR140	LR11A30140N(60LPM, $\Delta$ $P$ =14bar)	
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request		

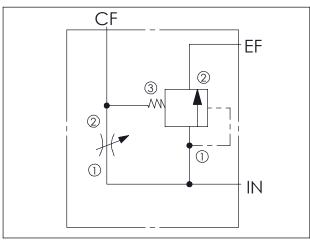
function (flow \ pressure \ \ ... etc.)

	POI	RT SIZE	
Z	PORTS	PORT	
	IN,EF	CF	
G04	G 1/2"	G 1/2"	

Rev.120204 N.FRW.103







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

Rated flow:

120 LPM

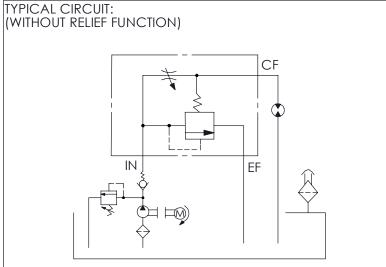
Cavity:

Réfer to 5A2 2A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum 1.8 kg(INCLUDE VALVES)

\* If you need the special specification. Please contact us.



	IN EF

Y	BYPASS COMPENSATOR	
2A3	WITHOUT VALVE	
LR140	LR2A30140N(120LPM, $\Delta$ P=14bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

X	NEEDLE VALVES	
5A2	WITHOUT VALVE	
NV127	NV5A28127L	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

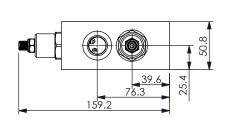
	POI	RT SIZE	
Z	PORTS	PORT	
	IN,EF	CF	
G06	G 3/4"	G 1/2"	

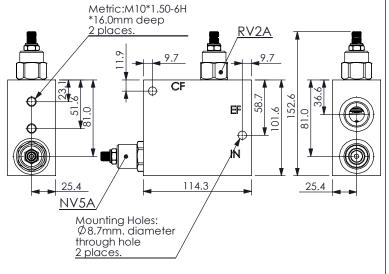


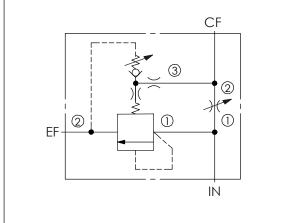
**UNIT:mm** 

# STANDARD MANIFOLD LINE MOUNT BODIES









# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

Rated flow: 120 LPM

350 bar

Cavity:

Refer to 5A2 2A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.8 kg(INCLUDE VALVES)

\* If you need the special specification. Please contact us.

# TYPICAL CIRCUIT: (WITH RELIEF FUNCTION) CF EF IN

Y	BYPASS COMPENSATOR	
2A3	WITHOUT VALVE	
RVOA	RV2A3BAL(80LPM, $\Delta$ P=8bar)	

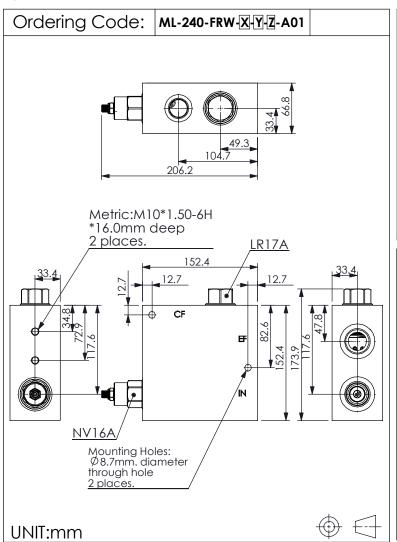
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

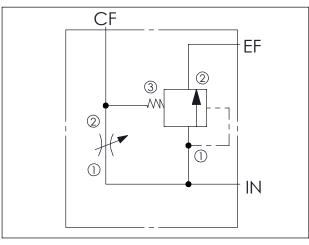
X	NEEDLE VALVE	S
5A2	WITHOUT VALVE	
NV127	NV5A28127L	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow  $\cdot$  pressure  $\cdot$  ... etc.)

PORT SIZE			
Z	PORTS	PORT	
	IN,EF	CF	
G06	G 3/4"	G 1/2"	







### TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

Rated flow: 240 LPM

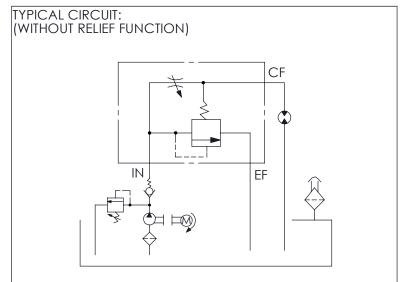
Cavity:

Réfer to 16A2 17A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum 4.6 kg(INCLUDE VALVES)

\* If you need the special specification. Please contact us.



Υ	BYPASS COMPENSATOR	
17A3	WITHOUT VALVE	
LR140	LR17A30140N(240LPM, $\Delta$ P=14bar)	

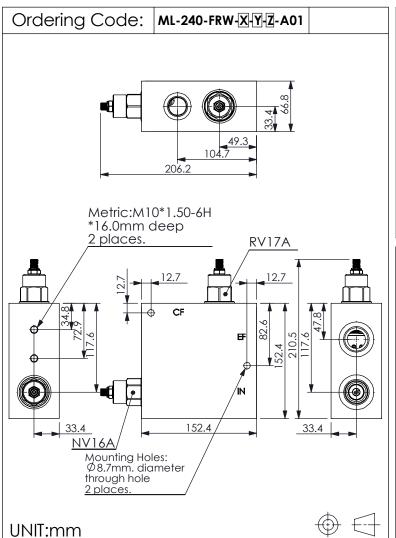
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

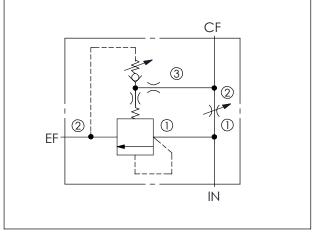
X	NEEDLE VALVES	
16A2	WITHOUT VALVE	
NV175	NV16A28175L	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow  $\cdot$  pressure  $\cdot$  ... etc.)

	PO	RT SIZE	
Z	PORTS	PORT	
	IN,EF	CF	
G08	G 1"	G 3/4"	







### TECHNICAL DATA

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

Rated flow: 240 LPM

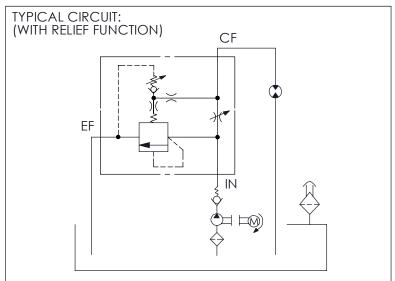
Cavity:

Refer to 16A2 17A3

\* Refer to Winner Cartridge Valves Catalog.

Aluminum 4.6 kg(INCLUDE VALVES)

\* If you need the special specification. Please contact us.



Y	BYPASS COMPENSATOR	
17A3	WITHOUT VALVE	
RVOA	RV17A3BAL(160LPM, $\Delta$ $P$ =8bar)	

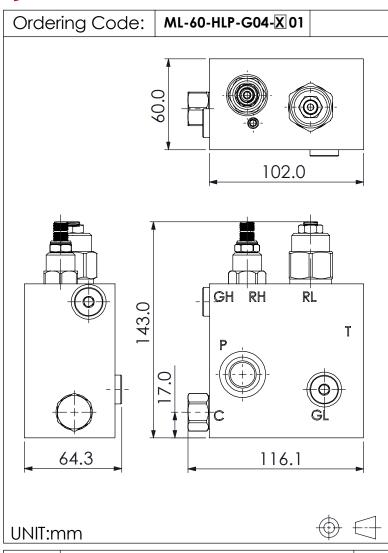
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

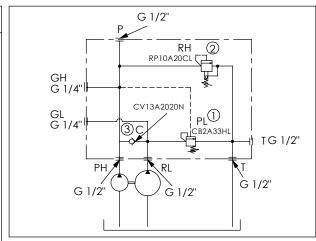
X	NEEDLE VALVES	
16A2	WITHOUT VALVE	
NV175	NV16A28175L	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow  $\cdot$  pressure  $\cdot$  ... etc.)

	PO	RT SIZE	
Z	PORTS	PORT	
	IN,EF	CF	
G08	G 1"	G 3/4"	







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Cavity:

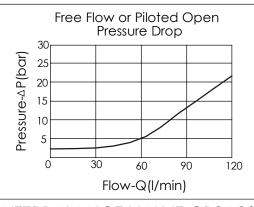
Réfer to CB2A33HL CV13A2020N RP10A20CL

\* Refer to Winner Cartridge Valve Catalog.

Aluminum	1.36 kg(WITHOUT VALVES) 1.9 kg(INCLUDE VALVES)
Ductile Iron	5.5 kg(WITHOUT VALVES) 6.04 kg(INCLUDE VALVES)

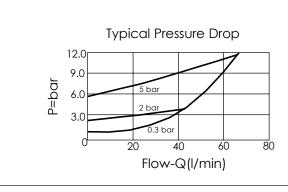
<sup>\*</sup> If you need the special specification. Please contact us.

X	BODY MATERIAL	
Α	HIGH-STRENGTH ALUMINUM	
S	DUCTILE IRON	



### COUNTERBALANCE VALVE: CB2A33HL

Typical Pressure Rise



Rev.100128

0 50 100 150 Flow-Q(I/min)

RELIEF VALVE:RP10A20CL

350

300

250

200

150 100

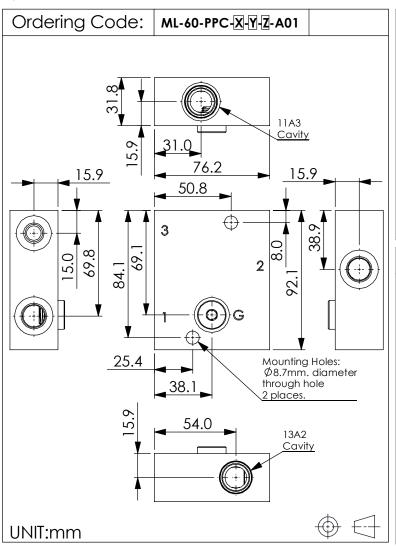
Pressure-∆P(bar)

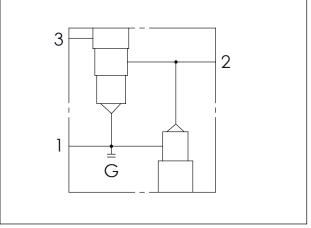
CHECK VALVE: CV13A2020N RELIEF VALVE: CV13A2020N

N.HLP.101

200







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

# Cavity:

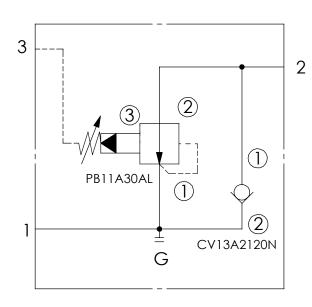
Refer to 11A3 13A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.5 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

# TYPICAL CIRCUIT:



X	CARTRIDGE VALVES SELECTION	
11A3	CAVITY ONLY (WITHOUT VALVE)	
PB0A	PB11A30AL (40LPM , 7-210bar)	

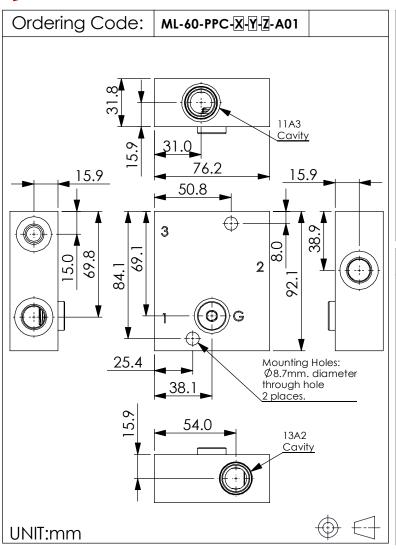
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

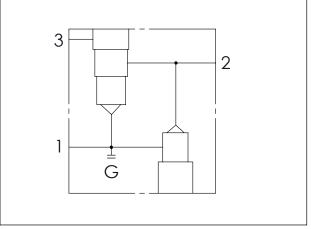
SELECTION FOR SOLENOID VALVES (REFER TO CV13A-X-Y-Z)	
CAVITY ONLY (WITHOUT VALVE)	
CV13A2120N(60LPM,2.0bar)	
	(REFER TO CV13A-X

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure ... etc.)

	PORT SIZE			
Z	PORTS	PORT	PORT	
	1,2	3	G	
G03	G 3/8"	G 1/4"	G 1/4"	







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

# Cavity:

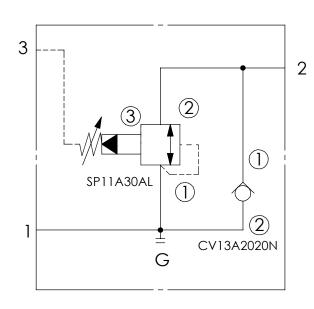
Réfer to 11A3 13A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.5 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

# TYPICAL CIRCUIT:



X	CARTRIDGE VALVES SELECTION		
11A3	CAVITY ONLY (WITHOUT VALVE)		
SPOA	SP11A30AL (60LPM , 7-210bar)		

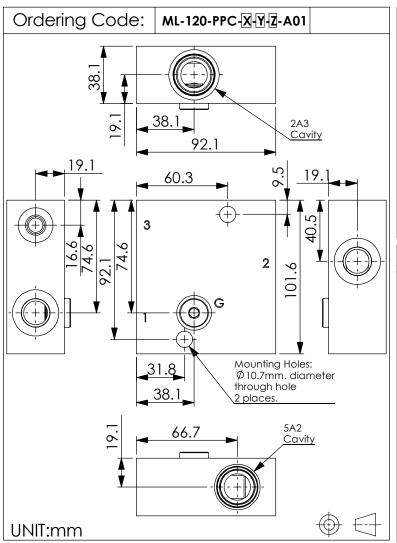
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

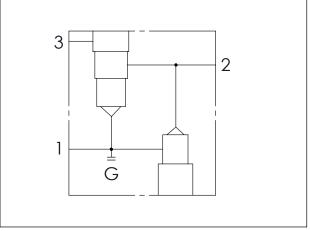
SELECTION FOR SOLENOID VALVES (REFER TO CV13A-X-Y-Z)	
CAVITY ONLY(WITHOUT VALVE)	
CV13A2020N(80LPM,2.0bar)	
(	(REFER TO CV13A-X

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure ... etc.)

	PORT SIZE			
Z	PORTS	PORT	PORT	
	1,2	3	G	
G03	G 3/8"	G 1/4"	G 1/4"	







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

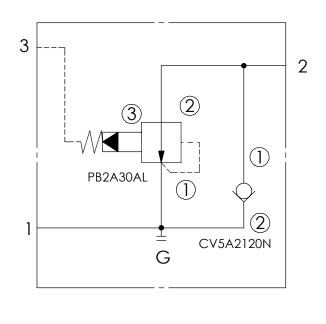
### Cavity: Refer to 2A3 5A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.8 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

# TYPICAL CIRCUIT:



X	CARTRIDGE VALVES SELECTION		
2A3	CAVITY ONLY (WITHOUT VALVE)		
<b>PBOA</b>	PB2A30AL (80LPM , 7-210bar)		

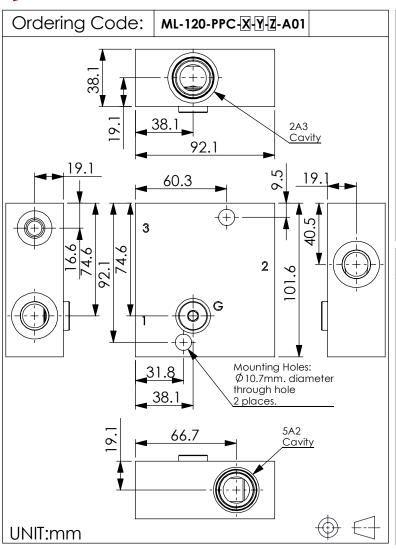
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

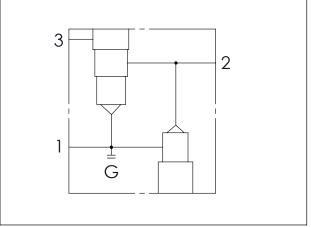
Y	SELECTION FOR SOLENOID VALVES (REFER TO CV5A-X-Y-Z)	
5A2	CAVITY ONLY (WITHOUT VALVE)	
CV20	CV5A2120N(120LPM,2.0bar)	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure . ... etc.)

	PORT SIZE			
Z	PORTS	PORT	PORT	
	1,2	3	G	
G04	G 1/2"	G 1/4"	G 1/4"	







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

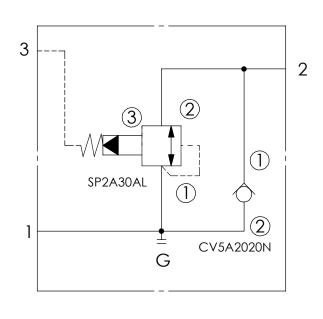
# Cavity: Refer to 2A3 5A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.8 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

# TYPICAL CIRCUIT:



X	CARTRIDGE VALVES SELECTION		
2A3	CAVITY ONLY (WITHOUT VALVE)		
SPOA	SP2A30AL (120LPM , 7-210bar)		

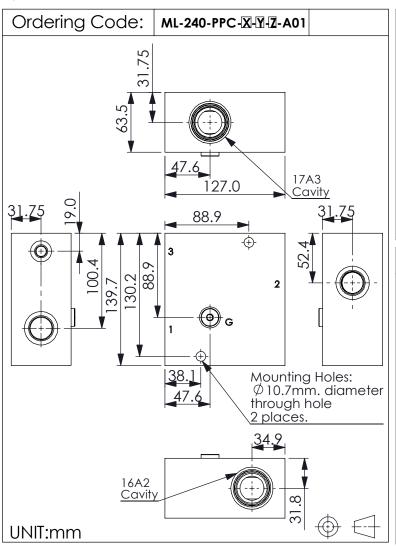
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

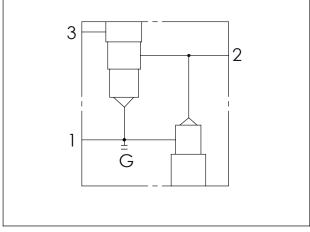
Y	SELECTION FOR SOLENOID VALVES (REFER TO CV5A-X-Y-Z)		
5A2	CAVITY ONLY (WITHOUT VALVE)		
CV20	CV5A2020N(160LPM,2.0bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure . ... etc.)

	PORT SIZE			
Z	PORTS	PORT	PORT	
	1,2	3	G	
G04	G 1/2"	G 1/4"	G 1/4"	







### **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

# Cavity:

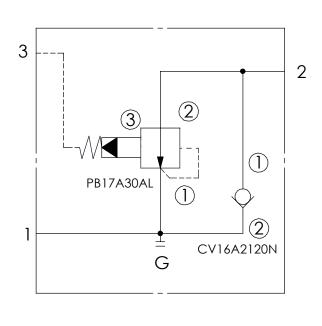
Refer to 17A3 16A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.1 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

# TYPICAL CIRCUIT:



X	CARTRIDGE VALVES SELECTION		
17A3	CAVITY ONLY (WITHOUT VALVE)		
PB0A	PB17A30AL (160LPM , 7-210bar)		

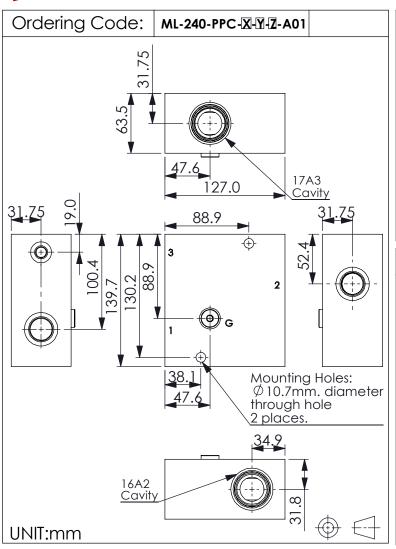
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow `pressure ` ... etc.)

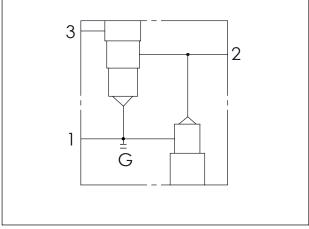
SELECTION FOR SOLENOID VALVES (REFER TO CV16A-X-Y-Z)		
CAVITY ONLY (WITHOUT VALVE)		
CV16A2120N(240LPM,2.0bar)		
	(REFER TO CV16A-X	

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \( \) pressure \( \) ... etc.)

	PORT SIZE			
Z	PORTS	PORT	PORT	
	1,2	3	G	
G06	G 3/4"	G 1/4"	G 1/4"	







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

# Cavity:

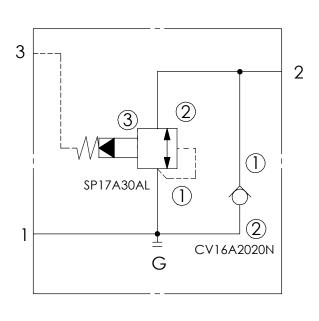
Réfer to 17A3 16A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.1 kg(WITHOUT VALVES)

<sup>\*</sup> If you need the special specification. Please contact us.

# TYPICAL CIRCUIT:



X	CARTRIDGE VALVES SELECTION		
17A3	CAVITY ONLY (WITHOUT VALVE)		
SPOA	SP17A30AL (240LPM , 7-210bar)		

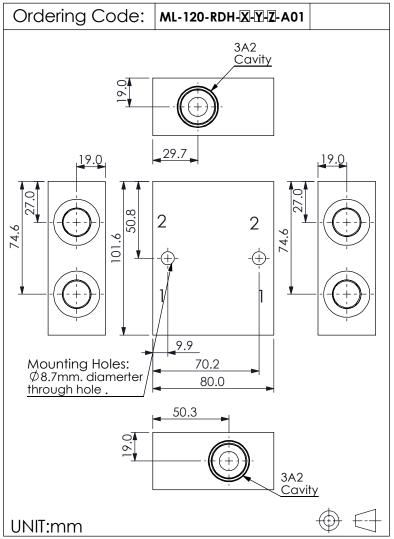
The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

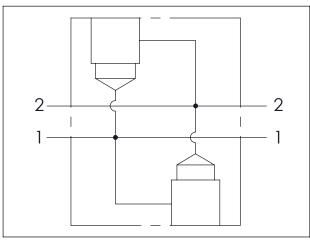
Y	SELECTION FOR SOLENOID VALVES (REFER TO CV16A-X-Y-Z)		
16A2	CAVITY ONLY (WITHOUT VALVE)		
CV20	CV16A2020N(320LPM,2.0bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure ... etc.)

РО			IZE	
Z	PORTS	PORT	PORT	
	1,2	3	G	
G06	G 3/4"	G 1/4"	G 1/4"	







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

350 bar Body Pressure Rating:

Cavity:

Refer to 3A2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	0.61 kg(WITHOUT VALVES)

\* If you need the special specification. Pléase contact us.

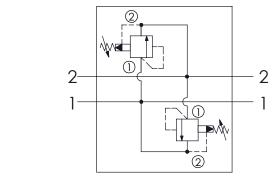
Y	SELECTION FOR V2 PORT CONTROL		
3A2	CAVITY ONLY (WITHOUT VALVE)		
<b>RPOA</b>	RP3A20AL (200LPM , 70-280bar)		
RD5A	RD3A25AL (200LPM,35-210bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow > pressure > ... etc.)

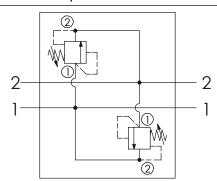
X	SELECTION FOR V1 PORT CONTROL		
3A2	CAVITY ONLY (WITHOUT VALVE)		
RPOA	RP3A20AL (200LPM , 70-280bar)		
RD5A	RD3A25AL (200LPM,35-210bar)		

PORT SIZE			
Z	PORT	PORT	
	1	2	
G04	G 1/2"	G 1/2"	

# HYDRAULIC CIRCUITS (WITH VALVES)

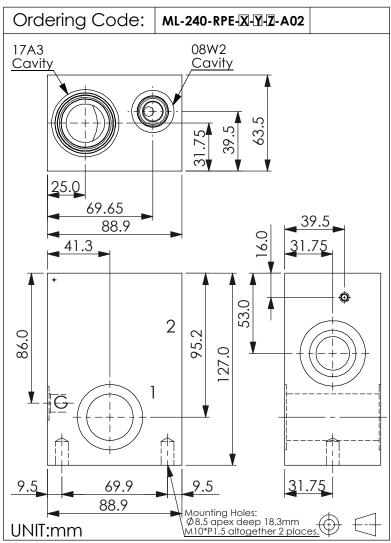


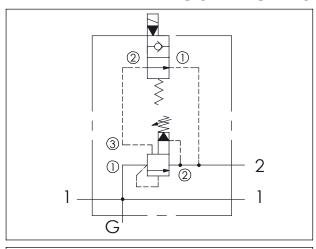
Ordering Code: ML-120-RDH-RP0A-RP0A-G04-A01 Ordering Code: ML-120-RDH-RD5A-RD5A-G04-A01



Rev.120118 N.RDH.201







# **TECHNICAL DATA**

Aluminum Body Pressure Rating: 210 bar

Ductile Iron

Body Pressure Rating:

350 bar

### Cavity: Refer to 17A3 08W2

\* Refer to Winner Cartridge Valves Catalog.

Aluminum	1.45 kg(WITHOUT VALVES)

\* If you need the special specification. Please contact us.

X	CARTRIDGE VALVES SELECTION		
17A3	CAVITY ONLY (WITHOUT VALVE)		
RVOA	RV17A30AL (240LPM , 7-210bar)		

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow \ pressure \ \ ... etc.)

Y	SELECTION FOR SOLENOID VALVES (REFER TO EP08W-X-Y-Z)		
08W2	CAVITY ONLY(WITHOUT VALVE)		
EP02	EP08W2A02N04 , 30LPM,350bar (NORMALLY CLOSED,WITHOUT COIL)		

# COIL MUST BE ORDERED SEPARATELY (REFER TO EC-04W-X-Y-Z)

The selection is only example. Please refer to Winner Cartridge Program and to select the appropriate valves and maniflods assembly in accordance with request function (flow pressure ... etc.)

	PORT SIZE		
Z	PORTS	PORT	
	1,2	G	
G08	G 1"	G 1/4"	

Rev.120118 N.RPE.301



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