

## ▼ Couplers



### Couplers

FLOW: 4.6-35L/min

Diameter: 2.5-10mm

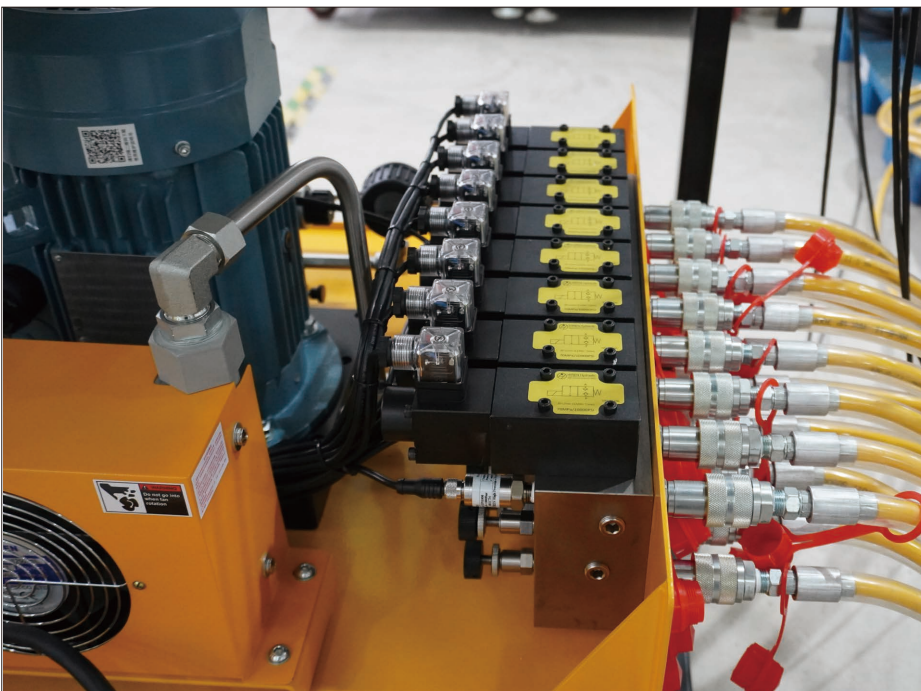
Pressure: 70-400MPa

#### NPT 3/8" High-flow Couplers

- It is a standard component for most RIVERLACK hydraulic cylinders.
- When space and interfaces permit, it is recommended for all RIVERLACK pumps and hydraulic cylinders.
- It comes with a "two-in-one" dust cap that can be used for both male and female couplers.

#### G 1/4" Ultra-high Pressure Quick Couplers

- It is used in conjunction with ultra-high pressure pumps operating at 150MPa, 250MPa, and 300MPa, 400MPa, as well as HSP hydraulic hoses.
- It is equipped with a warning ring and a safety lock for secure connections.
- The metal seal ensures safety and reliability under high pressure.



With the RIVERLACK high-flow quick couplers, hydraulic hoses can be easily and quickly connected to the PLC-controlled synchronous jacking hydraulic system.




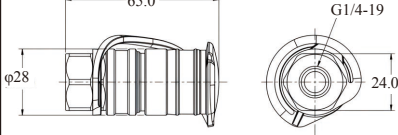

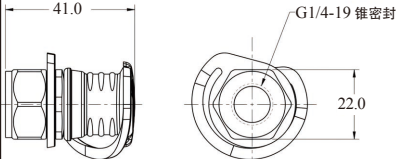

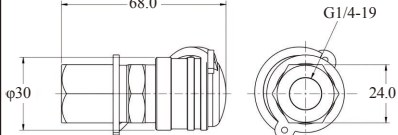

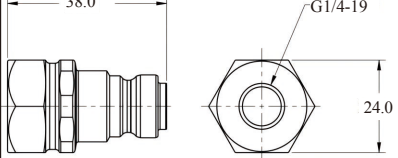

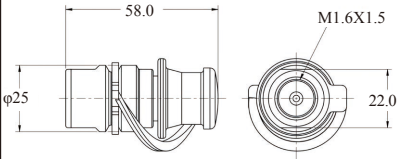

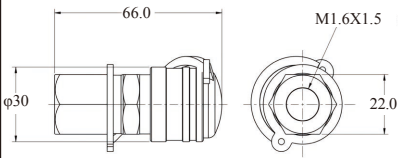

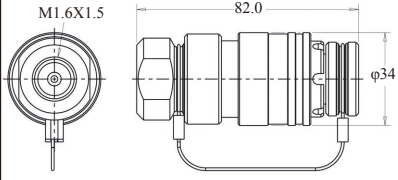
It is used in conjunction with a pneumatic wrench pump with a working pressure of 70MPa.


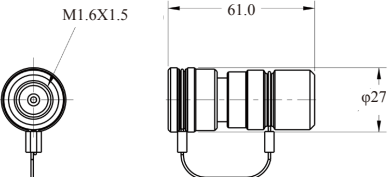

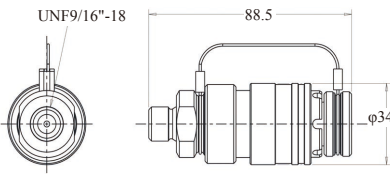

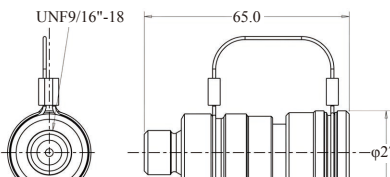
## ▼ 70MPa-100MPa Quick Couplings

Model Number	Pictures	Thread	Argument	Dimensional Drawing	Weight
102321494		NPT 3/8-18	Maximum working pressure : 72MPa Diameter: Conical 10mm Flow: 35L/Min (8.8 GPM UK)		212g
102326444		NPT 3/8-18	Maximum working pressure : 72MPa Diameter: Conical 10mm Flow: 35L/Min (8.8 GPM UK)		20g
102326434		NPT 3/8-18	Maximum working pressure : 72MPa Diameter: spherical 10mm Flow: 21.2L/Min (4.7 GPM UK)		120g
102321484		NPT 3/8-18	Maximum working pressure : 72MPa Diameter: spherical 10mm Flow: 21.2L/Min (4.7 GPM UK)		230g
102321452		NPT 1/4-18	Maximum working pressure : 72MPa Diameter: spherical 6.3mm Flow: 16.1L/Min (3.5GPM UK)		130g
102326452		NPT 1/4-18	Maximum working pressure : 72MPa Diameter: spherical 6.3mm Flow: 16.1L/Min (3.5GPM UK)		110g
102326402		NPT 1/4-18	Maximum working pressure : 72MPa Diameter: spherical 6.3mm Flow: 16.1L/Min (3.5GPM UK)		110g


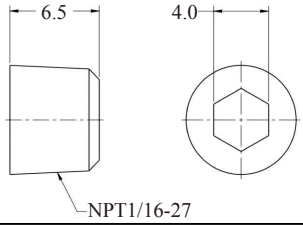

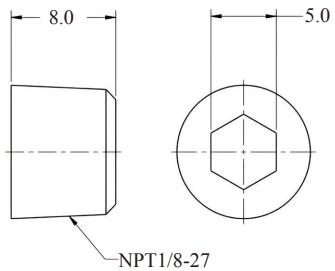

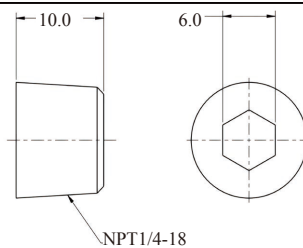

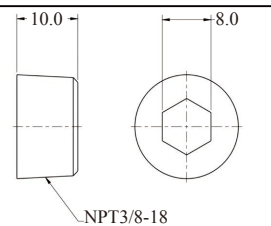

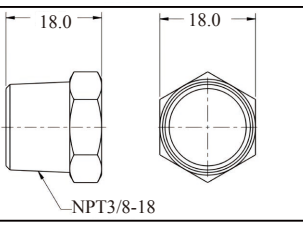

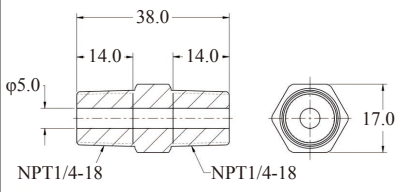

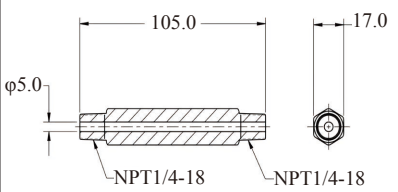
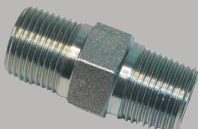
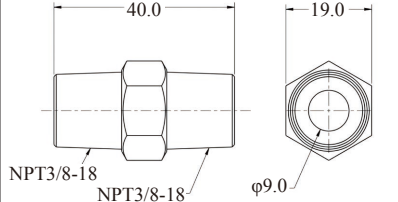
Model Number	Pictures	Thread	Argument	Dimensional Drawing	Weight
101151402		NPT 1/4-18	Maximum working pressure : 100 MPa Diameter : 2.5mm Flow : 6L/Min (1.3GPM UK)		220g
101156402		NPT 1/4-18	Maximum working pressure : 100 MPa Diameter : 2.5mm Flow : 5.3L/Min (1.2GPM UK)		70g
101151454		NPT 3/8-18	Maximum working pressure : 100 MPa Diameter : 2.5mm Flow : 6L/Min (1.3GPM UK)		220g
101156404		NPT 3/8-18	Maximum working pressure : 100 MPa Diameter : 2.5mm Flow : 5.3L/Min (1.2GPM UK)		65g
700C3F		NPT 3/8-18	Maximum working pressure : 70MPa Diameter: Conical 10mm Flow : 23L/Min (6.1 GPM UK)		220g
700C3M		NPT 3/8-18	Maximum working pressure : 70MPa Diameter: Conical 10mm Flow : 23L/Min (6.1 GPM UK)		110g


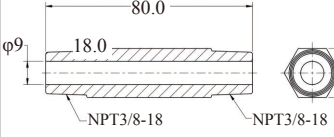

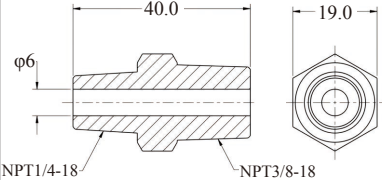

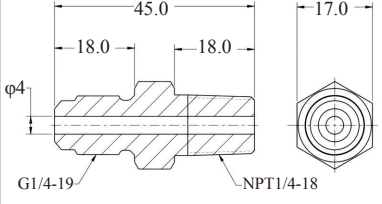

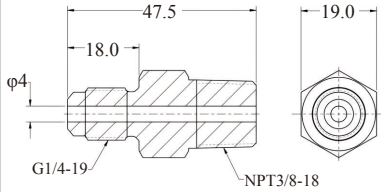

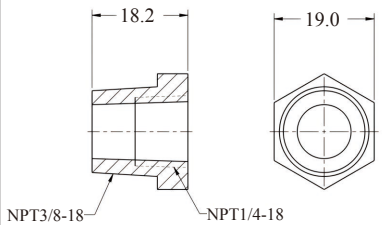

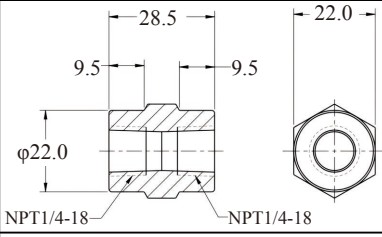

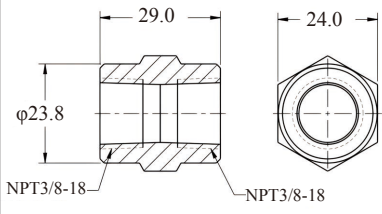

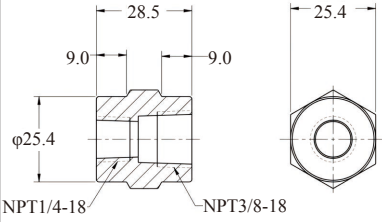
## ▼ High Pressure Quick Connectors


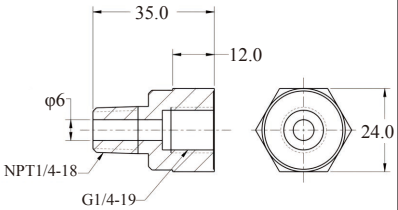

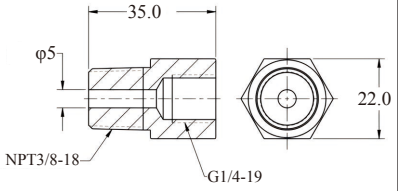

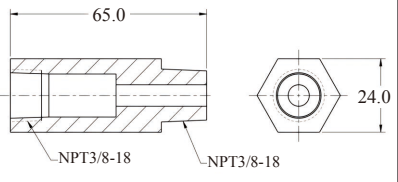

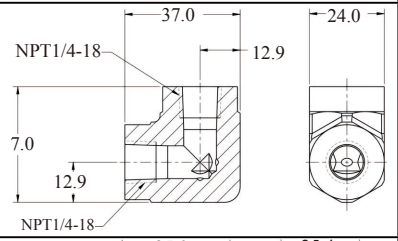

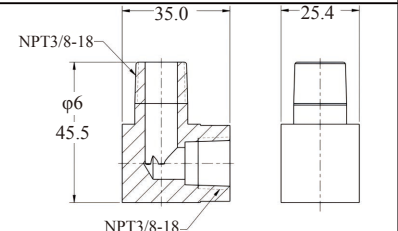

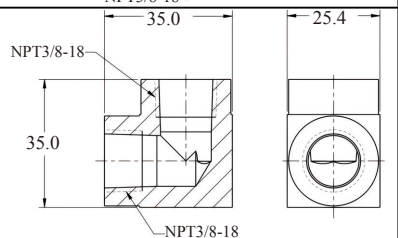

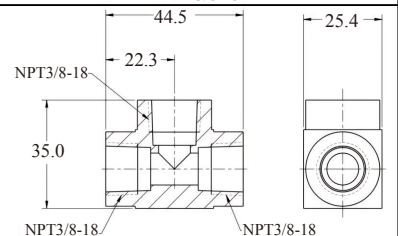

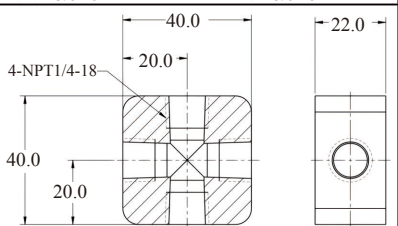
Model Number	Pictures	Thread	Argument	Dimensional Drawing	Weight
101161202		G1/4-19	Maximum working pressure : 150MPa Diameter: 2.5mm Flow: 6.0L/Min (1.3GPM UK)		200g
101166202		G1/4-19	Maximum working pressure : 150MPa Diameter: 2.5mm Flow: 6.0L/Min (1.3GPM UK)		80g
101251203		G1/4-19	Maximum working pressure : 250MPa Diameter: 2.5mm Flow: 5.8L/Min (1.3GPM UK)		230g
101256203		G1/4-19	Maximum working pressure : 250MPa Diameter: 2.5mm Flow: 5.8L/Min (1.3GPM UK)		70g
101351505		M16x1.5	Maximum working pressure : 300MPa Diameter: 2.5mm Flow: 4.6L/Min (1.0GPM UK)		200g
101356505		M16x1.5	Maximum working pressure : 300MPa Diameter: 2.5mm Flow: 4.6L/Min (1.0GPM UK)		230g
101401505		M16x1.5	Maximum working pressure : 400MPa Diameter: 2.5mm Flow: 4.6L/Min (1.0GPM UK)		200g


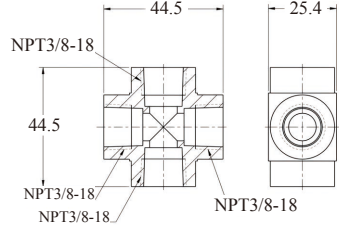

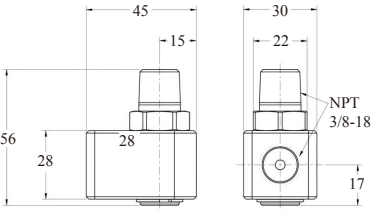

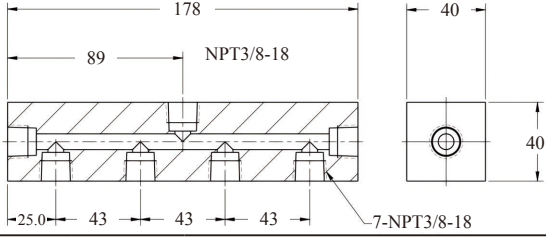

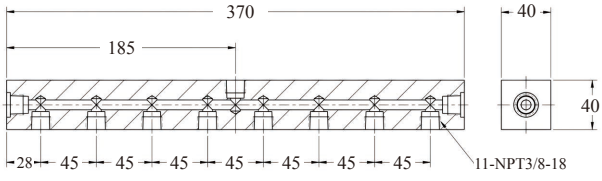

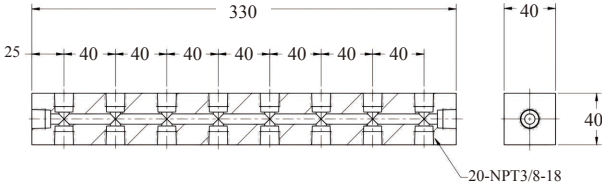

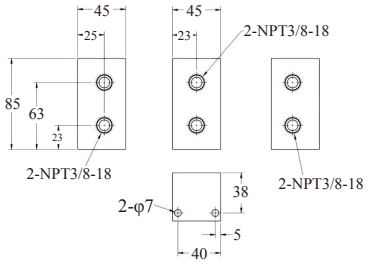
Model Number	Pictures	Thread	Argument	Dimensional Drawing	Weight
101406506		M16x1.5	Maximum working pressure : 400MPa		200g
			Diameter: 2.5mm		
			Flow: 4.6L/Min (1.0GPM UK)		
101401708		UNF 9/16"-18	Maximum working pressure : 400MPa		200g
			Diameter: 2.5mm		
			Flow: 4.6L/Min (1.0GPM UK)		
101406708		UNF 9/16"-18	Maximum working pressure : 400MPa		230g
			Diameter: 2.5mm		
			Flow: 4.6L/Min (1.0GPM UK)		


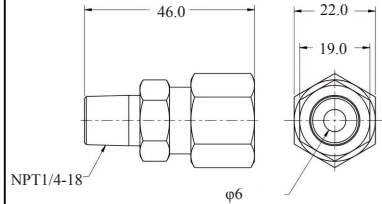

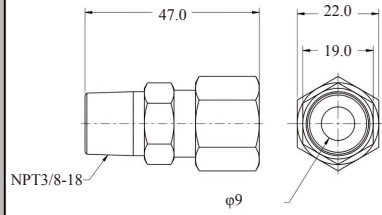

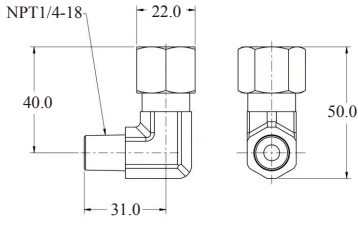
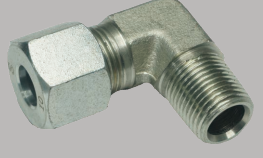
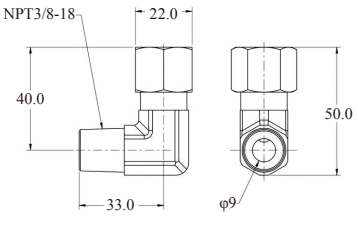

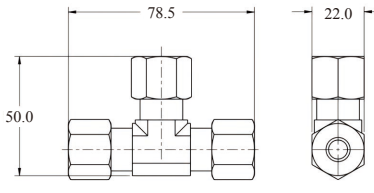
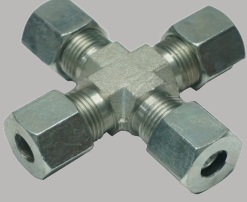
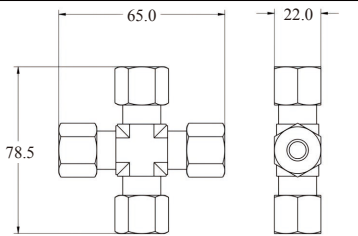

## ▼ 70MPa adapter and distributors

Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
700C01		NPT 1/16-27	-	-	-		3
700C02		NPT 1/8-27	-	-	-		4
700C03		NPT 1/4-18	-	-	-		7
700C04		NPT 3/8-18	-	-	-		12
700H04		NPT 3/8-18	-	-	-		31
FZ1608		NPT 1/4-18	NPT 1/4-18	-	-		29
NML0303		NPT 1/4-18	NPT 1/4-18	-	-		98
FZ1617		NPT 3/8-18	NPT 3/8-18	-	-		49


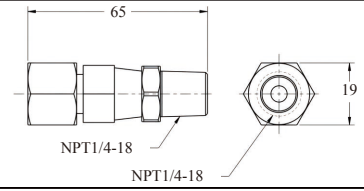

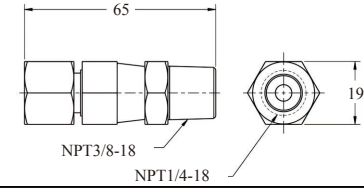
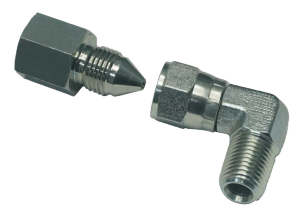
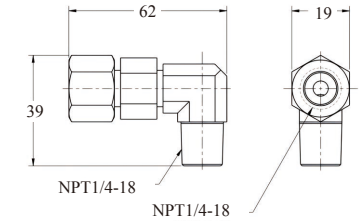
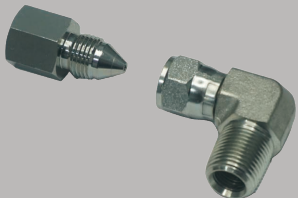
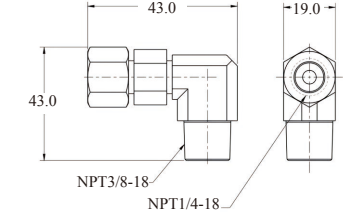

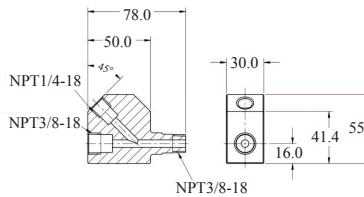

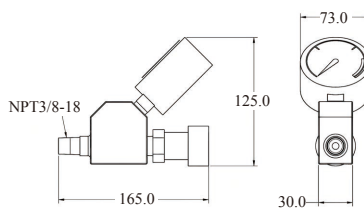

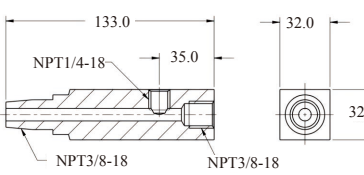
Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
NML0404		NPT 3/8-18	NPT 3/8-18	-	-		127
NM0304		NPT 1/4-18	NPT 3/8-18	-	-		48
NM03G03		G1/4-19	NPT 1/4-18	-	-		45
NM04G03		G1/4-19	NPT 3/8-18	-	-		68
FZ1630		NPT 3/8-18	NPT 1/4-18	-	-		18
FZ1605		NPT 1/4-18	NPT 1/4-18	-	-		39
FZ1614		NPT 3/8-18	NPT 3/8-18	-	-		60
FZ1615		NPT 1/4-18	NPT 3/8-18	-	-		39

Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
BFZ-16411		NPT 1/4-18	G1/4-19	-	-		66
NM04GF03		NPT 3/8-18	G1/4-19	-	-		68
NM04F04		NPT 3/8-18	NPT 3/8-18	-	-		137
FZ1638		NPT 1/4-18	NPT 1/4-18	-	-		132
FZ1616		NPT 3/8-18	NPT 3/8-18	-	-		142
FZ1610		NPT 3/8-18	NPT 3/8-18	-	-		143
FZ1612		NPT 3/8-18	NPT 3/8-18	NPT 3/8-18	-		156
SF03		NPT 1/4-18	NPT 1/4-18	NPT 1/4-18	NPT 1/4-18		210


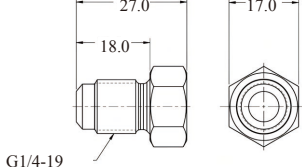

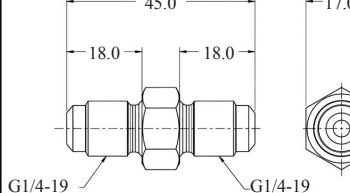

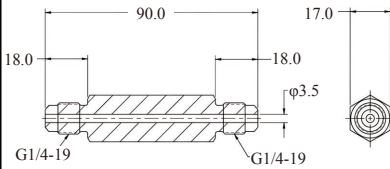

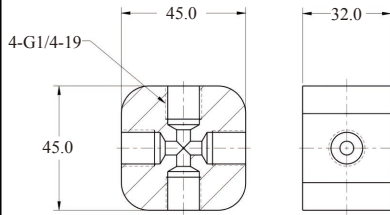

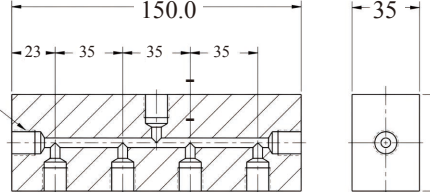
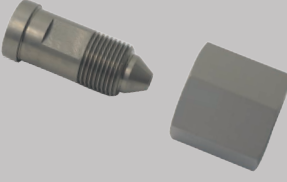
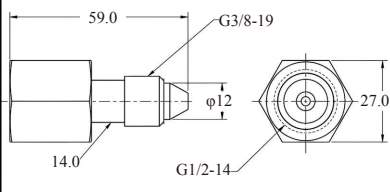
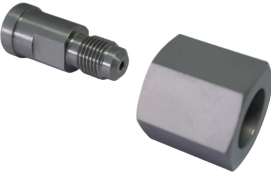
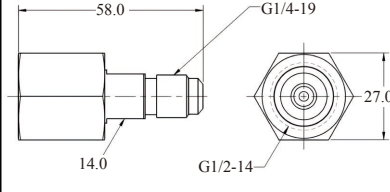
Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
FZ1613		NPT 3/8-18	NPT 3/8-18	NPT 3/8-18	NPT 3/8-18		171
RJ04		NPT 3/8-18	NPT 3/8-18	-	-		330
A-65		7-NPT 3/8-18	7-NPT 3/8-18				2000
700D10		11-NPT 3/8-18	11-NPT 3/8-18				4250
700D17		18-NPT 3/8-18	18-NPT 3/8-18				3640
700D2-2		3-NPT 3/8-18	3-NPT 3/8-18				1147

Model Number	Pictures	Thread A	Stuck tube size	Nut size	Dimension drawing	Weight (g)
FM03-10		NPT 1/4-18	Ø10	M18x1.5		74
FM04-10		NPT 3/8-18	Ø10	M18x1.5		77
FLM03-10		NPT 1/4-18	Ø10	M18x1.5		96
FLM04-10		NPT 3/8-18	Ø10	M18x1.5		112
FT-10		-	Ø10	M18x1.5		182
FS-10		-	Ø10	M18x1.5		272
FSS10		-	Ø10	-	—	134

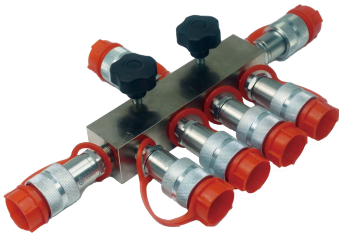
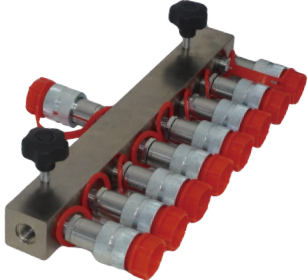

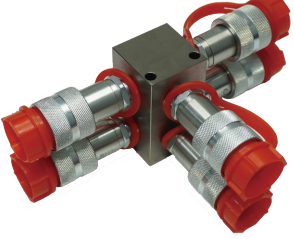
## ▼ 70MPa Pressure Gauge Base And Adapters

Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
GAN03		NPT 1/4-18	NPT 1/4-18	-	-		79
GAN04		NPT 1/4-18	NPT 3/8-18	-	-		96
GAL03		NPT 1/4-18	NPT 1/4-18	-	-		96
GAL04		NPT 1/4-18	NPT 3/8-18	-	-		126
GA45		NPT 3/8-18	NPT 1/4-18	NPT 3/8-18	-		590
GA45GC		NPT 3/8-18	-	-	-		1100
GA3		NPT 3/8-18	NPT 1/4-18	NPT 3/8-18	-		744


## ▼Ultra High Pressure Adapter

Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
2500G03		G1/4-19	-	-	-		33
2500G0303		G1/4-19	G1/4-19	-	-		43
2500GL0303		G1/4-19	G1/4-19	-	-		124
2500D3		G1/4-19	G1/4-19	G1/4-19	G1/4-19		430
2500D6		7-G1/4-19	7-G1/4-19	7-G1/4-19			2000
2500GA05		G1/2-14	G3/8-19	-	-		129
2500GA03		G1/2-14	G1/4-19	-	-		129g

▼ Products display pictures of adapter distributors


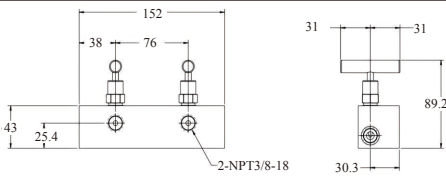

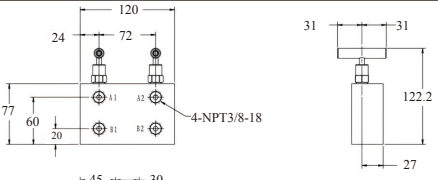
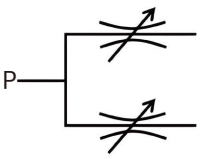
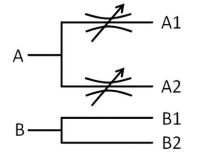

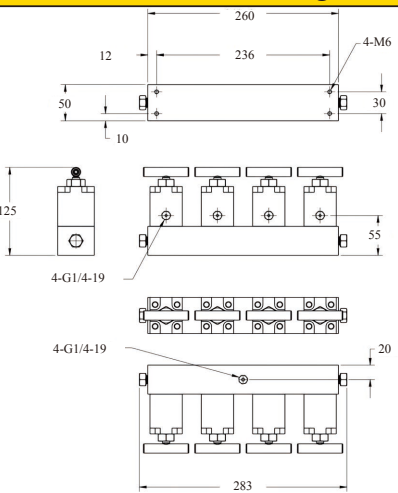

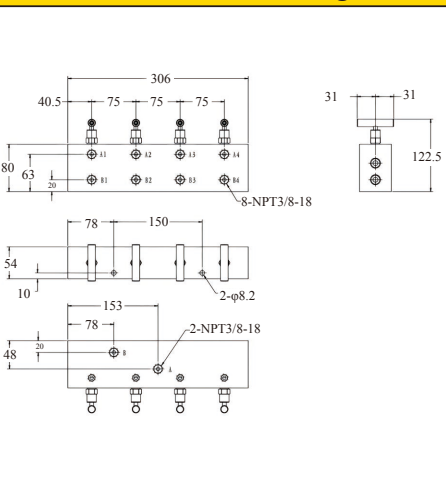
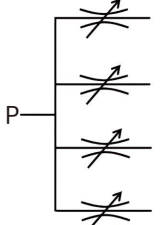
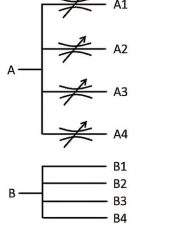
700D6-232	700D10-232	700D17-232	700D2-2-232
			

▼ Product display pictures of ultra-high pressure adapter distributors

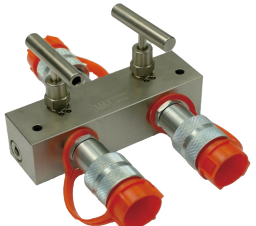
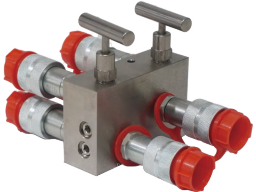
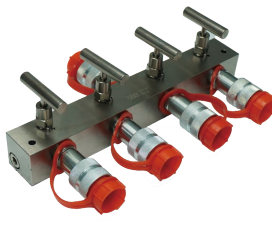
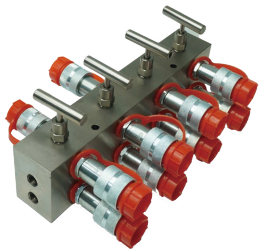



2500D3-125	2500D6-125	2500D6-125	2500GA05-125	2500GA05
				

## ▼ Control Manifold And Valve

### ▼ Split Flow Hydraulic Manifold

AM21	Dimension drawing	AM22	Dimension drawing
			
Function symbols		Function symbols	
AM41	Dimension drawing	AM42	Dimension drawing
			
Function symbols		Function symbols	

### ▼ Product display pictures of split flow hydraulic manifold

AM21-232	AM22-232	AM41-232	AM42-232
			
AM22-232-GA	AM41-232-GA	AM42-232-GA	
			

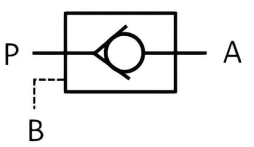
## ▼ V42 Hydraulic Check Valve



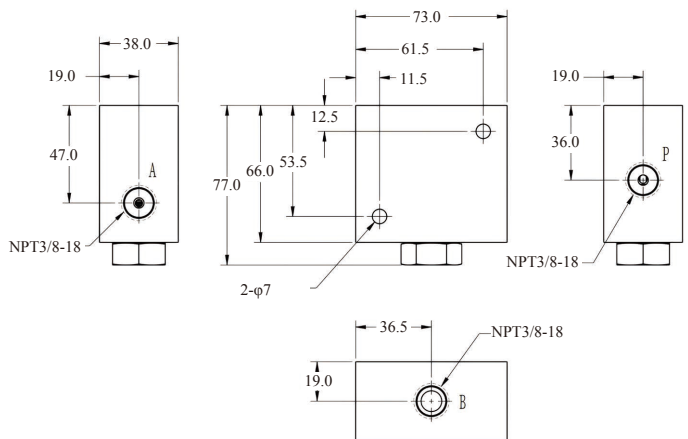
Technical features:

- High efficiency ball valve design
- 42CrMo high strength material, QPQ surface treatment, long-term corrosion resistance
- P, A, Pilot port can be pressurized 70MPa

### ▼ V42 Type Specification Sheet:

Model Number	Functional symbol	Rated pressure	Maximum flow	Installation form
V42		70MPa	30L/Min	Tubular NPT3/8

### ▼ V42 Dimensional Drawing:



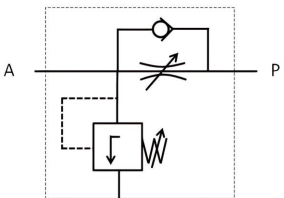
## ▼ V66 Manually Operated Check Valve



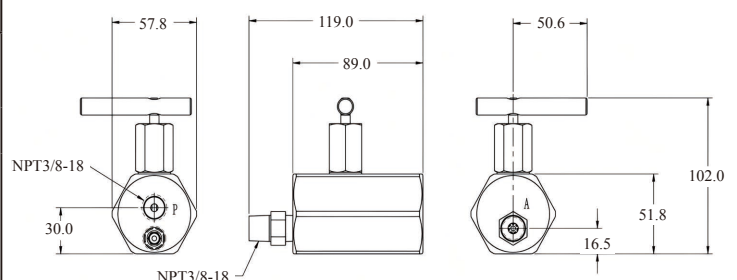
Technical features:

- 42CrMo tempered material, QPQ surface treatment, long-term corrosion resistance
- Precision pressure holding ball valve, good pressure holding effect
- Adjustable safety valve is configured to effectively ensure the safety of hydraulic cylinder
- Precise control of hydraulic cylinder return speed, providing safe and controllable load

### ▼ V66 Model Specification Sheet:

Model Number	Rated pressure	Maximum flow	Installation form
V66	70MPa	30L/Min	Tubular NPT3/8
Functional symbol			
			

### ▼ V66 Dimensional Drawing:



## ▼ V66F Manually Operated Check Valve



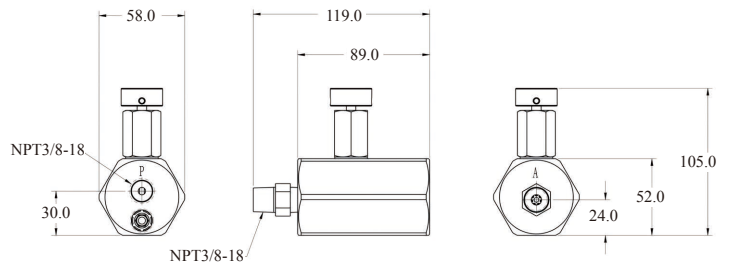
### Technical features:

- 42CrMo tempered material, QPQ surface treatment, long-term corrosion resistance
- Precision pressure holding ball valve, good pressure holding effect
- Adjustable safety valve is configured to effectively ensure the safety of hydraulic cylinder
- Similar to V66, but with extremely fine measurement capabilities for precision flow control.

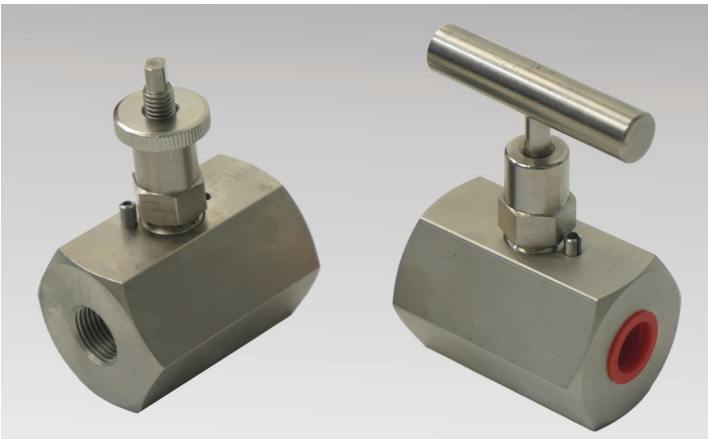
### ▼ V66F Model Specification Sheet:

Model Number	Rated pressure	Maximum flow	Installation form
V66F	70MPa	30L/Min	Tubular NPT3/8
Functional symbol			

### ▼ V66F Dimensional Drawing:



## ▼ V82 Check Valve



### Technical features:

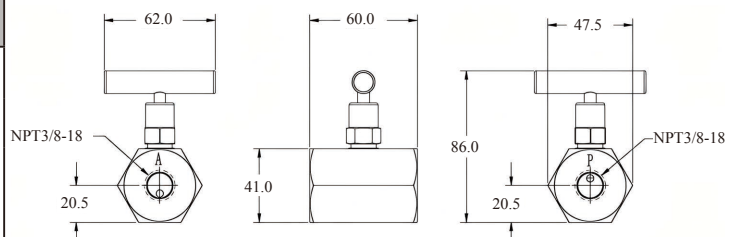
- 42CrMo modified steel with electroplated nickel treatment
- Precision needle valve with leak-free locking
- Used as a speed-regulating valve to control cylinder speed
- Optional model with locking nut to prevent misoperation

◆The models shown are V82L and V82 from left to right

### ▼ V82 Model Specification Sheet:

Model Number	Rated pressure	Maximum flow	Installation form
V82	70MPa	30L/Min	Tubular NPT3/8
Functional symbol			

### ▼ V82 Dimensional Drawing:



## ▼ V91 Snubber valve



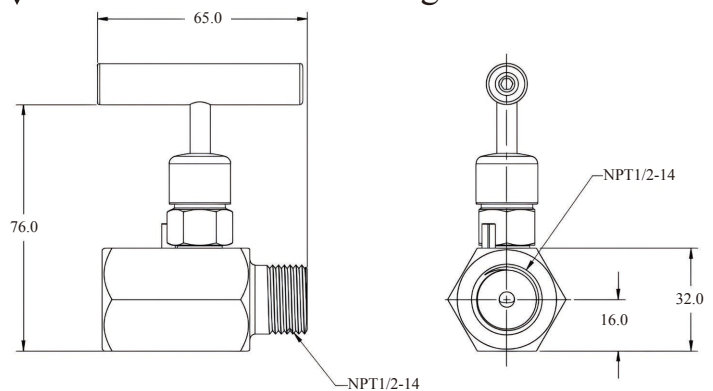
### Technical features:

- The material is 42CrMo quenched and tempered steel, and the surface is treated with electroless nickel plating to enhance the corrosion resistance.
- All valves are equipped with dry-seal tapered pipe thread ports to ensure no leakage under the rated pressure.
- Fluororubber seals are used, which are suitable for high-temperature environments and can extend the service life.

### ▼ V91 Model Specification Sheet:

Model Number	Rated pressure	Maximum flow	Installation form
V91	70MPa	30L/Min	Pipe mounting NPT3/8
Functional symbol			

### ▼ V91 Dimensional Drawing:



## ▼ HV2500T Ultra-High Pressure Needle Valve



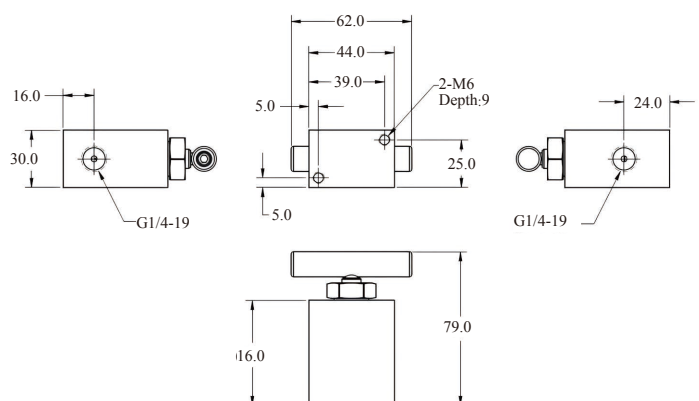
### Technical features:

- High-strength needle valve, providing reliable hydraulic locking.
- Made of 42CrMo quenched and tempered material with electroless nickel plating surface treatment.
- Multiple throttle valves can be used side by side.
- Compact structure, saving installation space.
- High-strength seals, resistant to high pressure and leak-free.

### ▼ HV2500T Model Specification Sheet:

Model Number	Rated pressure	Maximum flow	Installation form
HV2500T	250MPa	10L/Min	Pipe mounting NPT3/8
Functional symbol			

### ▼ HV2500T Dimensional Drawing:



## ▼ HV2500P Ultra-High Pressure Needle Valve



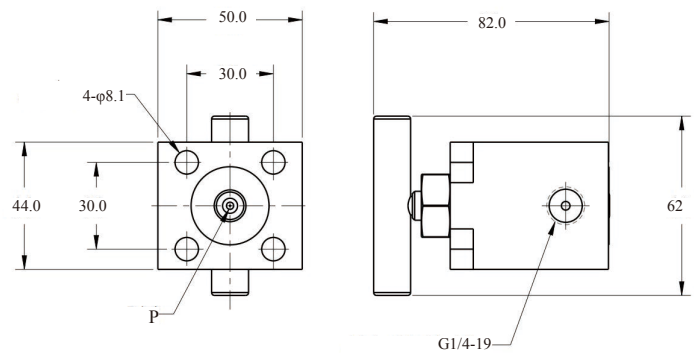
### Technical features:

- High-strength needle valve, providing reliable hydraulic locking
- 42CrMo conditioning material, electroplated chemical nickel surface treatment
- Multiple throttle valves can be used side-by-side
- Compact structure, saving installation space
- High-strength sealing, high pressure resistance and no leakage

### ▼ HV2500P Model Specification Sheet:

Model Number	Rated pressure	Maximum flow	Installation form
HV2500P	250MPa	10L/Min	Panel mounting G1/4-19
Functional symbol			

### ▼ HV2500P Dimensional Drawing :



### ▼ Product Example Diagram:

UHM41	Overall dimension	UHM41 Finished product
Functional symbol		UHM61 Finished product

## ▼ Relief valve & Safety valve

### ▼ Relief valve


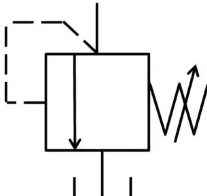

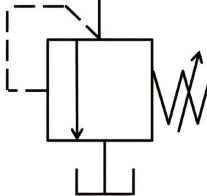

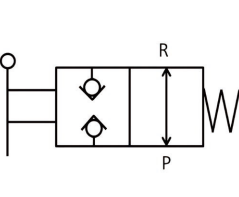


#### Technical features:

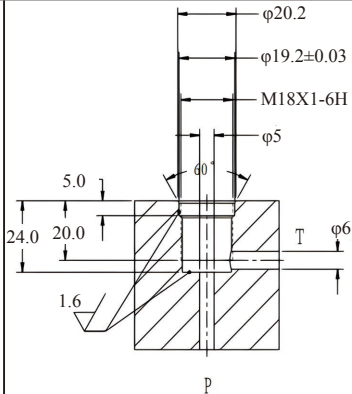
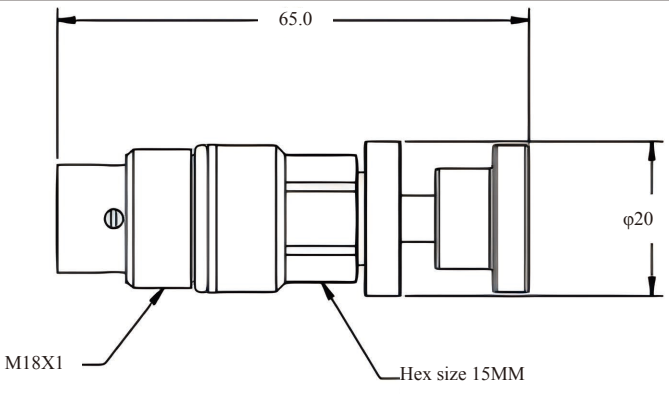
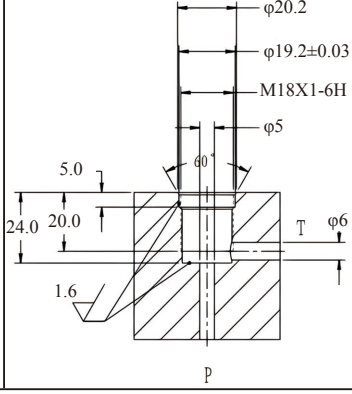
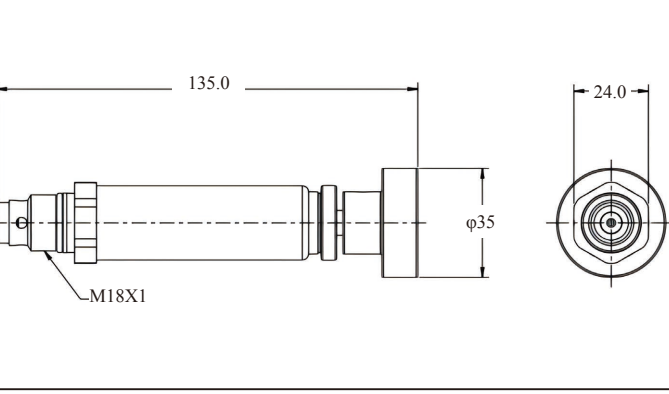
- Precision pressure adjustment up to 2500bar
- High life die steel ball seat, high overall life
- High temperature resistance fluorine rubber seal
- Insert, tube installation optional • Equipped with locking nuts and precision adjustment handwheel

### ▼ PRV Model Specification Table:

Model Number	Pictures	Installation mode	Functional symbol	Rated pressure (MPa)	Maximum overflow flow (L/Min)	Weight (g)
PV120		Threaded insert type		100	17	83
PV700		Threaded insert type		100	17	300
PV1000		Threaded insert type		100	17	847
PRV1000		Threaded insert type		150	10	300
PRV1000-T		Tubular mounting seat		250	10	300

Model Number	Pictures	Installation mode	Functional symbol	Rated pressure (MPa)	Maximum overflow flow (L/Min)	Weight (g)
PRV1500		Threaded insert type		150	10	300
PRV2500		Threaded insert type		250	10	300
POV2500		Threaded insert type		250	10	200

▼ PRV Outline Dimensional Drawing:

Model Number	Installation dimensions	Outline dimensional
PV1000		
PRV1000		

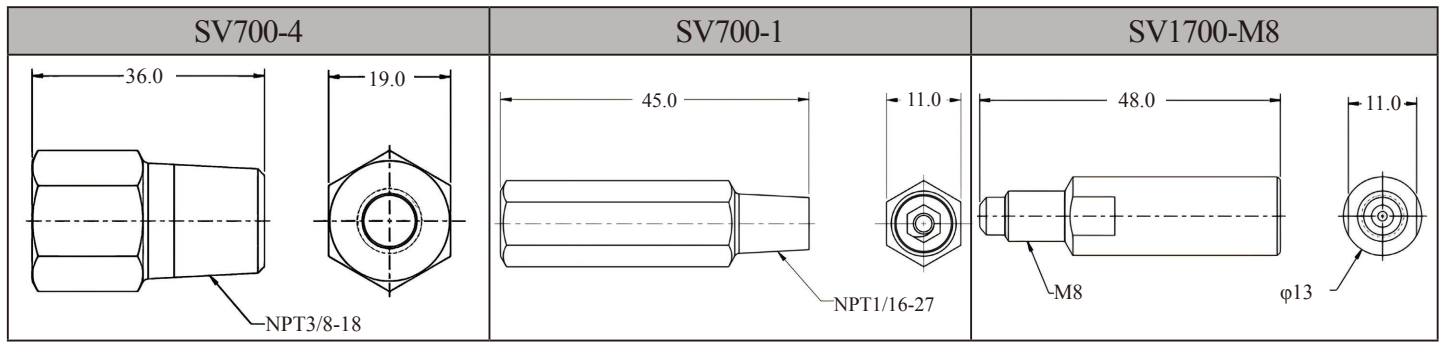
## ▼ PRV Outline Dimensional Drawing:

	Mounting dimension	Overall dimension
PRV1000 - Tube type	-	
PRV1500/2500		

## ▼ Safety Valve:

Model	Pictures	Thread A	Pressure rating	Mounting dimension	Functional symbol	Weight
SV700-4		NPT3/8	75MPa	-		62g
SV700-1		NPT 1/16-27	75MPa	-		23g
SV1700-M8		-	170/270 MPa			29g

▼ Safety Valve Outline Dimensional Drawing:



## ▼ MV Manual Directional Control Valve



### Technical Features:

- Micro-leakage mirror seal structure, good pressure holding effect
- A variety of functional forms can be selected
- Aluminum body, light weight, corrosion resistance
- Low friction, small reversing force, easy to operate
- Positioning spring structure, easy to reverse positioning and maintain
- Reversing handle adjustable direction, easy to use multi-way valves

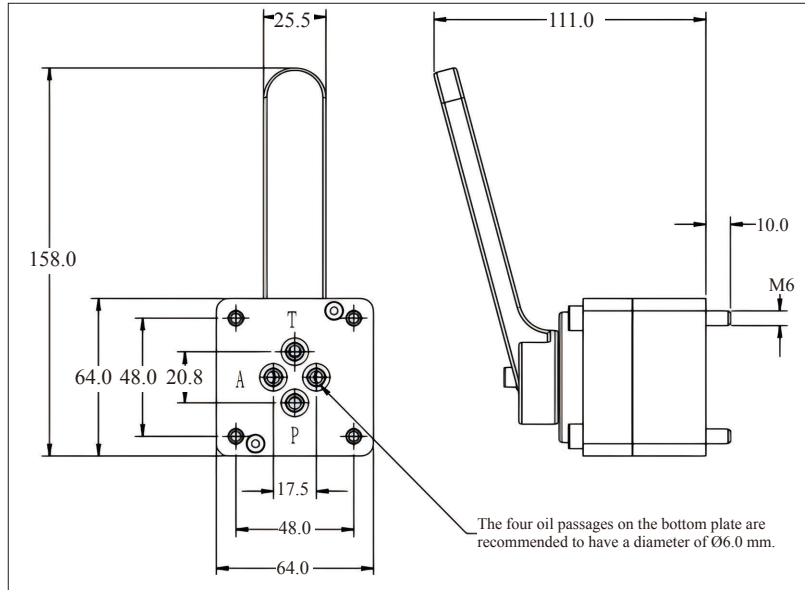
### ▼ MV Manual Directional Control Valve specification:

Model number	Functional symbol	Median function	Rated pressure	Maximum flow	Installation form
MV33-P		-	70MPa	17L/Min	Plate mounting
MV43-M-P		M	70MPa	17L/Min	Plate mounting
MV43-O-P		O	70MPa	17L/Min	Plate mounting
MV43-M-T		M	70MPa	17L/Min	Tubular, NPT3/8
MV43-O-T		O	70MPa	17L/Min	Tubular, NPT3/8
MV43-2000-M		M	200MPa	12L/Min	Plate mounting
MV43-2000-O		O	200MPa	12L/Min	Plate mounting
HMC700		-	70MPa	17L/Min	Plate mounting

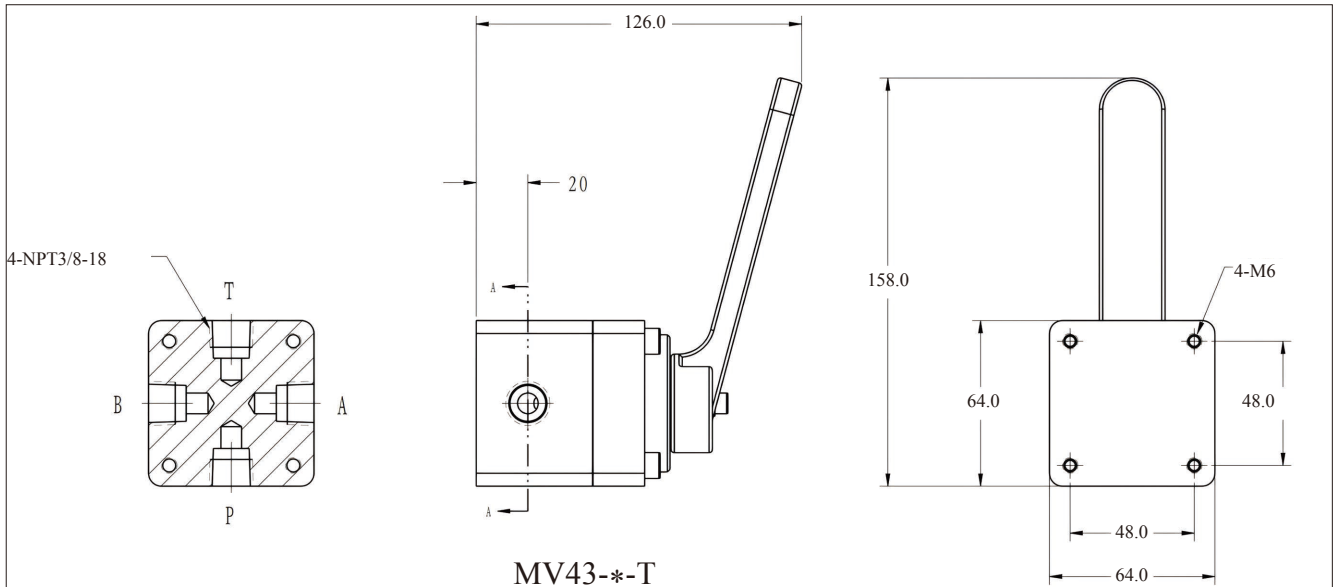
◆ Multi-way valve is recommended to choose the O-type medium function, single-way valve is recommended to choose the M-type medium function.

◆ Plate installation needs to be matched according to the size of the oil distribution valve block, tubular installation can be directly installed joints or hoses.

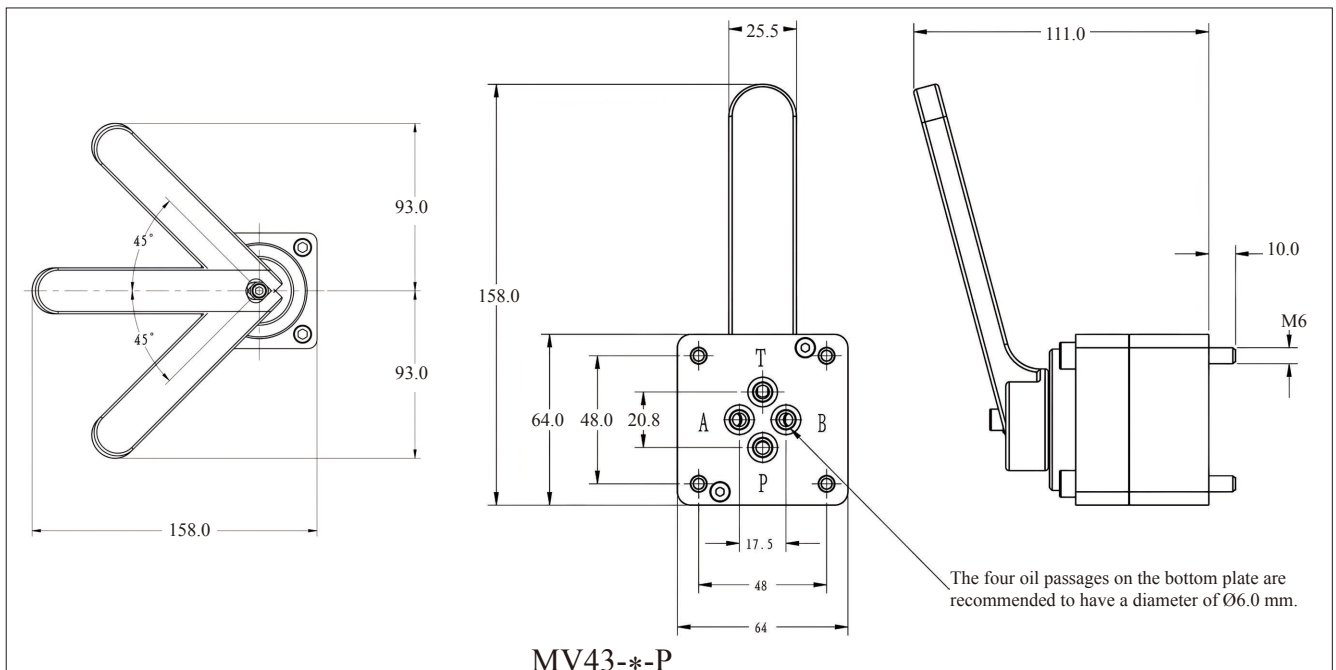
## ▼ MV Manual Directional Control Valve Dimension Drawing



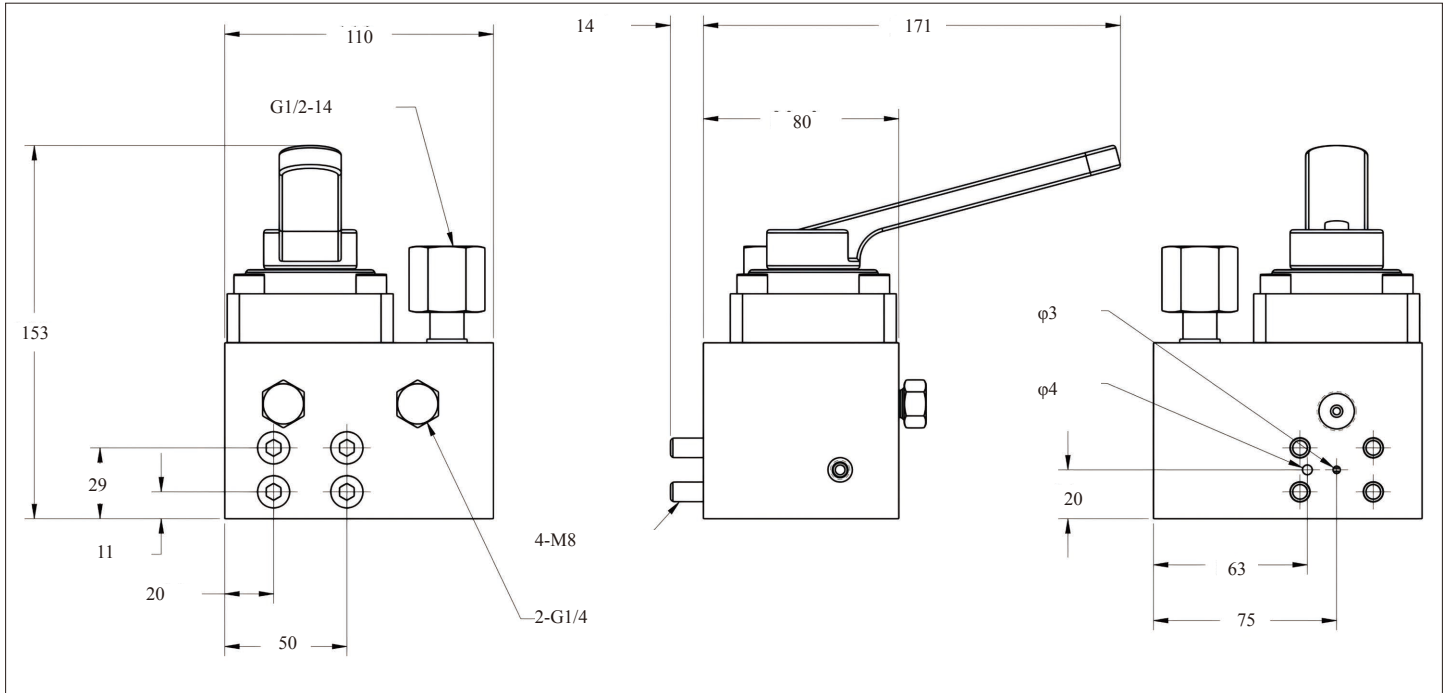
MV33-P



MV43-\*-T



MV43-\*-P

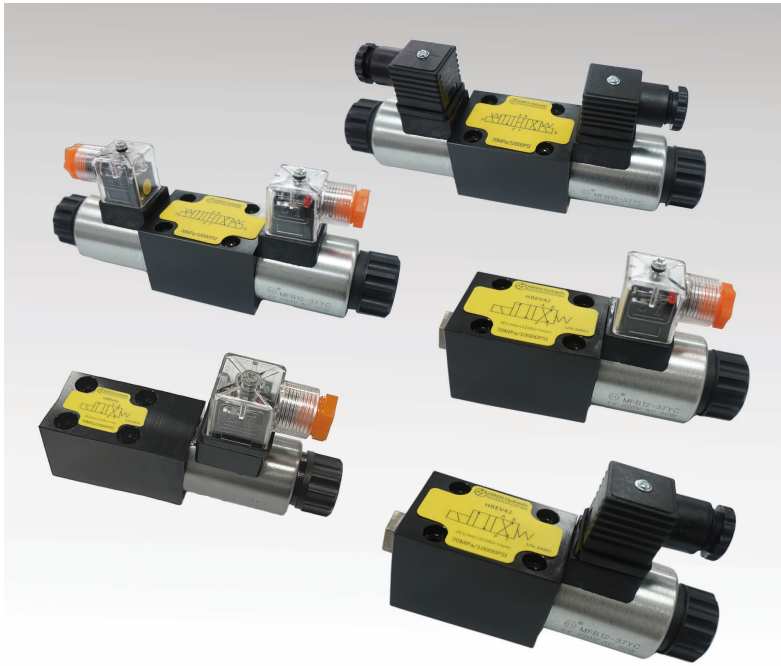


MV43-2000-O/M

## ▼ Application Example Diagram:



## ▼ Solenoid directional valve



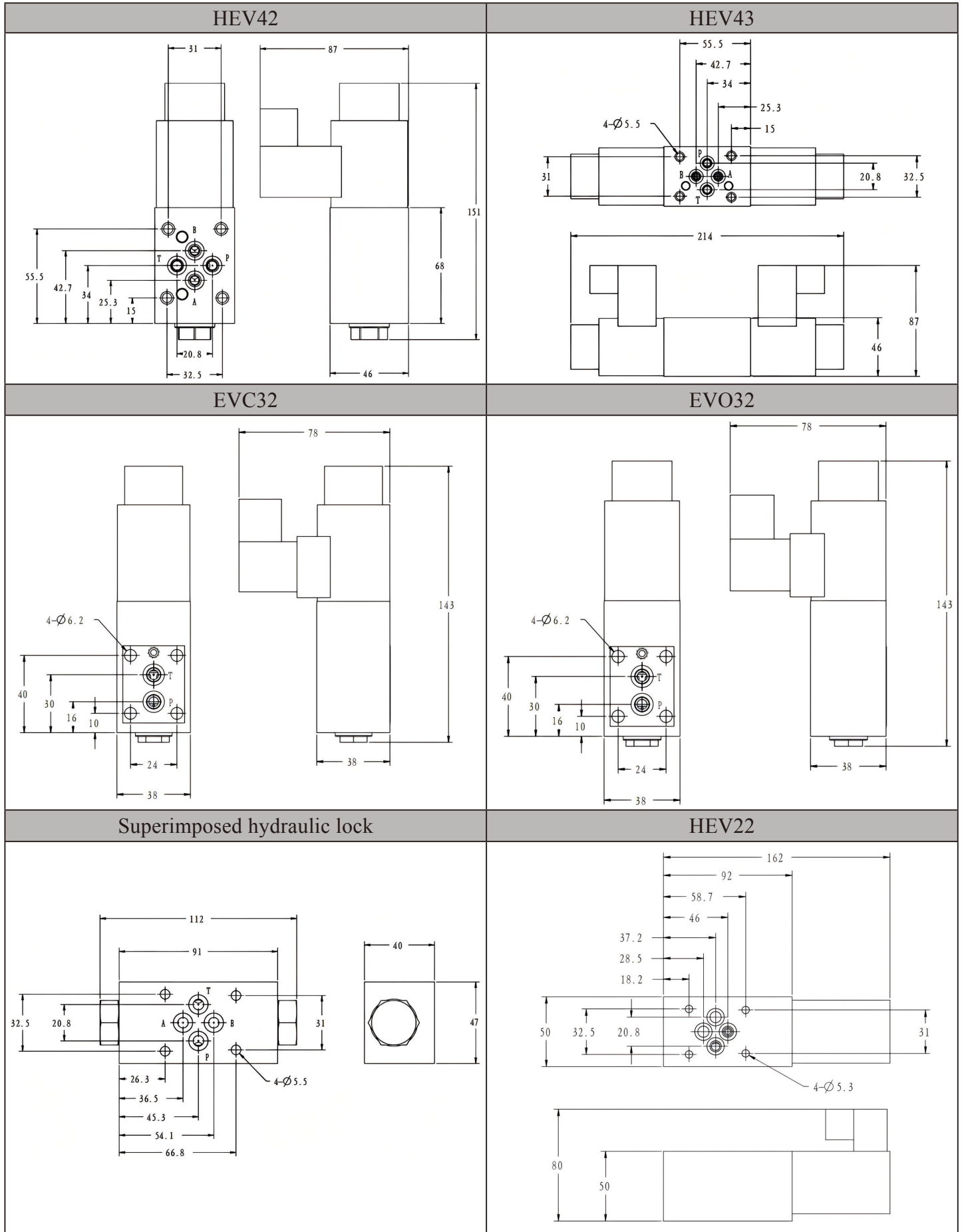
### Technical features:

- 42CrMo tempered material, high strength and long life
- QPQ carbonitriding surface treatment, strong wear and corrosion resistance
- Optional 220VAC or 110VAC control coil
- 100%ED design, suitable for complex working conditions
- Precise matching of reversing spool, low leakage
- Superposition liquid controlled check valve, locking load Improved safety
- Multiple functions available
- Multi-way valve systems can be integrated on demand


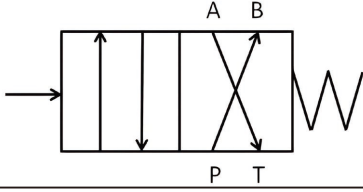

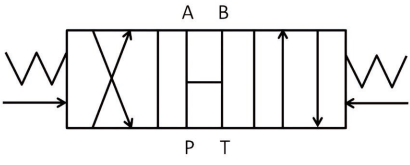

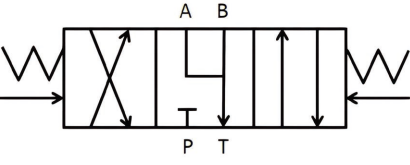
### ▼ Solenoid Directional Valve Specification Table:

Model number	Rated pressure	Functional symbol	Voltage	Function	Maximum flow
HEV42-AC220	70MPa		AC220/DC24	Two Position Four Way Valve	17L/Min
HEV42-DC24					
HEV43-H-AC220	70MPa		AC220/DC24	Three position four-way valve H type center position	17L/Min
HEV43-H-DC24					
HEV43-Y-AC220	70MPa		AC220/DC24	Three position four-way valve Y type center position	17L/Min
HEV43-Y-DC24					
EVO32-AC220	70MPa		AC220/DC24	Normally open unloading valve	17L/Min
EVO32-DC24					
EVC32-AC220	70MPa		AC220/DC24	Normally Closed Unloading Valve	17L/Min
EVC32-DC24					
HPC700	70MPa		AC220/DC24	Bidirectional hydraulic lock	17L/Min
HEV22-DC24	70MPa		DC24	Two-position two-way switch valve	17L/Min
HBV700	70MPa		-	Port A Load Control Valve	17L/Min

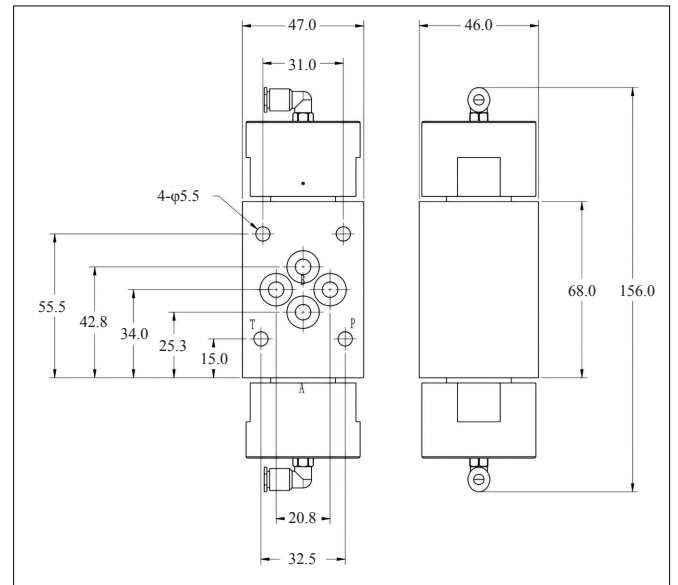
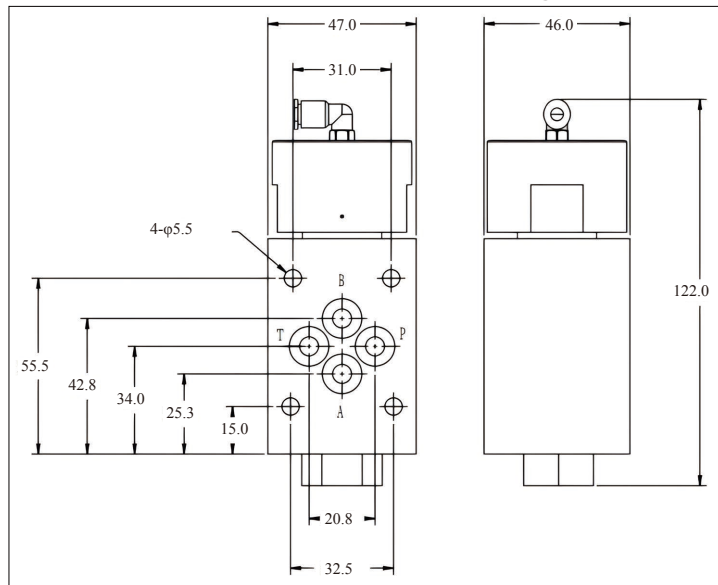
▼ EV Solenoid Directional Valve Dimensions:



## ▼ AV Pneumatic Control Solenoid Valve

Model Number	Pictures	Rated pressure	Functional symbol	Input Atmospheric pressure	Maximum flow (L/Min)
AV42		70MPa		>3-10bar	17L/Min
AV43-H		70MPa		>3-10bar	17L/Min
AV43-Y		70MPa		>3-10bar	17L/Min

## ▼ AV Outline Dimensional Drawing :



## ▼ Application Example Diagram:



## ▼ Gauge And Transducer

### ▼ Gauge



### Gauge Series

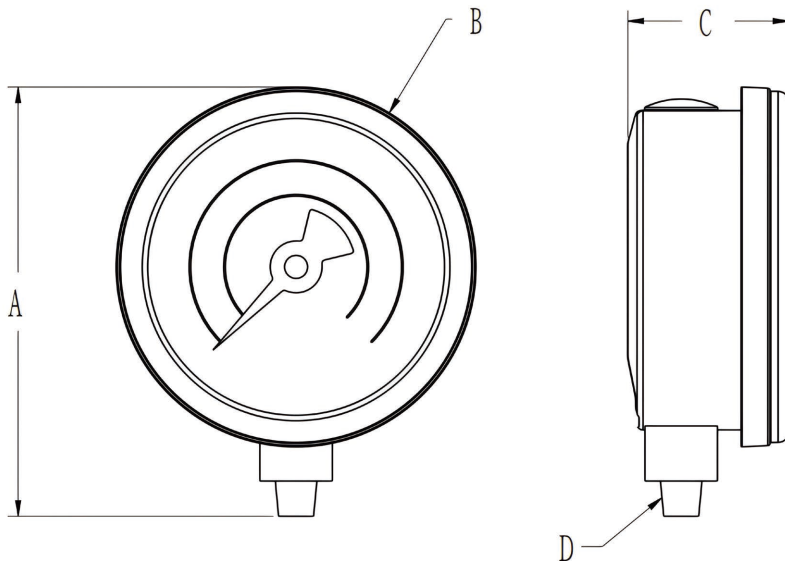
Pressure measuring range: 0-4000bar

Surface diameter: 60-100mm

Accuracy is full range: ±1.0-1.6%

- Dual scale reading bar and psi.
- All pressure sensing components are sealed in glycerine and seismic to ensure long life and long-lasting corrosion resistance.
- Includes pressure limiting devices and pressure equivalent film.
- Pressure gauge buffer valves and needle valves recommended for heavy duty applications.
- Pressure gauge buffer valves and needle valves recommended for heavy duty applications.
- Ideal for most applications Especially in high cycles and harsh environments.
- Pressure gauge buffer valves and needle valves are recommended as stop valves when the pressure gauge is not in use.
- Optional high-precision digital pressure gauges HDPS-800/HDPS-1000, high-pressure resistant to 800–1000 bar, with NPT1/4 compatible ports.


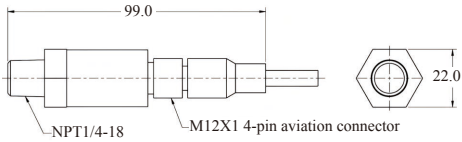

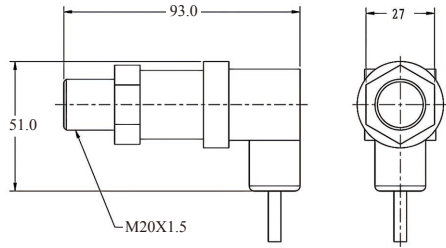

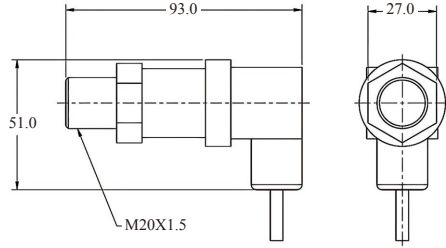
### ▼ Gauge Outline Dimensional Drawing:




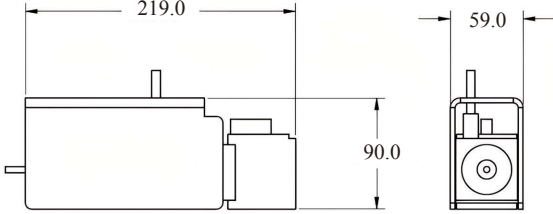


### ▼ Gauge specification table:

Model Number	Pressure range		Dimension (mm)			
	(bar)	(psi)	A	B	C	D
HG100-60	0-1000	0-14500	92	73	43	NPT1/4
HG100-100	0-1000	0-14500	138	Ø112	58	NPT1/4
HG200-100	0-2000	0-29000	145	Ø110	49	G1/2
HG300-100	0-3000	0-43500	145	Ø100	49	G1/2
HG400-100	0-4000	0-58000	140	Ø110	63	M16x1.5
HDPS-800	0-800	0-11603	-	-	-	NPT1/4
HDPS-1000	0-1000	0-14500	-	-	-	-

## ▼ Pressure Transducer And Cable

Model Number	Pictures	Pressure rating (MPa)	Thread A	Voltage	External drawing
HPS1000-5C		100	NPT1/4	24VDC 4-20mA	 <p>◆Standard configuration of 5 meters of shielded communication cable</p>
HPS2000-5C		200	M20x1.5	24VDC 4-20mA	 <p>◆Standard configuration of 5 meters of shielded communication cable</p>
HPS3000-5C		300	M20x1.5	24VDC 4-20mA	 <p>◆Standard configuration of 5 meters of shielded communication cable</p>

## ▼ Displacement Sensors And Cables

Model Number	Pictures	Range	Voltage	External drawing
HR -1000-A1		1000mm	24VDC 4-20mA	 <p>◆Standard with 30 m Displacement Sensor Cable</p>
HR -1000-C30		-	-	30M Displacement Sensor Cable
HR -1000-C50		-	-	50M Displacement Sensor Cable

## ▼ Hydraulic Hose



### HP Hydraulic Hose

Inner diameter: 5-6mm

Length: 1-50m

Pressure: 70-250MPa

- The maximum working pressure is 250 MPa.
- It has a small volume expansion under pressure, which helps to improve the efficiency of the entire system.
- Hoses of 10 m and below are equipped with plastic sheaths for wear resistance.
- Hoses longer than 10 m are equipped with corrugated rubber grips to prevent damage, thereby improving service life and durability.

### ▼ Hydraulic Hose Specification Table:

Model Number	Pressure Rating	Inner Diameter (mm)	Outer Diameter (mm)	Safety Factor	Inner Layer Material	Reinforcement Layer Material	Outer Layer Material
HSP700	70 MPa	6	13.2	2	Nylon	High-strength Tensile Steel Wire	Polyurethane
HDP700	70 MPa	6	13.8	4	Nylon	High-strength Tensile Steel Wire	Polyurethane
HSP1800	180 MPa	5	14.2	2.5	Nylon	High-strength Tensile Steel Wire	Polyurethane
HSP2500	250 MPa	5	13.8	2.5	Polyoxymethylene	High-strength Tensile Steel Wire	Nylon

### ▼ Production And Factory Inspection:

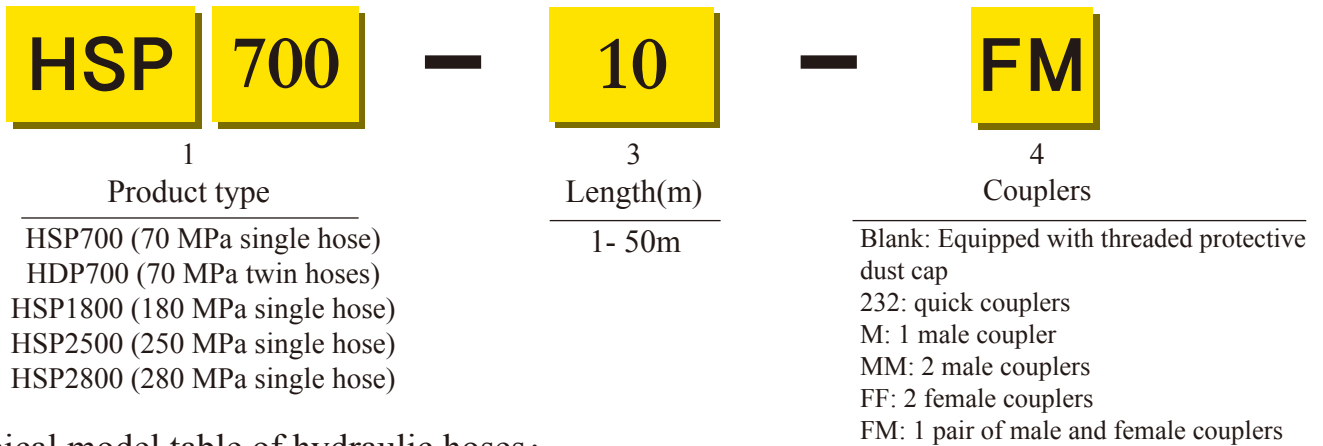


Hydraulic hose manufacturing



All hydraulic hoses are subjected to rated pressure tests before leaving the factory. After passing the tests, a certificate of conformity will be attached to each hose. There may be a small amount of residual hydraulic oil left from the tests inside the hoses. All hydraulic hoses are equipped with hydraulic connectors or threaded protective dust caps.

▼ Naming rules



▼ Typical model table of hydraulic hoses :

Model	Product Picture	Pressure (MPa)	length (m)	Specification information
HSP700-3-232		70MPa	3m	70MPa hose, 3 meters long, with PC protective casing, external thread NPT3/8
HSP700-20		70MPa	3m	70MPa hose, 20 meters long, external thread NPT3/8, with 1 tapered male coupler
HDP700-6-232		70MPa	6m	70MPa twin hose, 6 meters long, external thread G1/4, with 2 quick - connect couplers
HSP1800-6-FM		70MPa	6m	180MPa hose, 6 meters long, with PC protective casing, external thread G1/4, with 2 116 female couplers
HSP1800-3-MM		180MPa	3m	180MPa hose, 3 meters long, with PC protective casing, external thread G1/4, with 1 pair of 116 male and female couplers
HSP2500-6-MM		250MPa	6m	250MPa hose, 3 meters long, with PC protective casing, external thread G1/4, with 2 125 female couplers

## ▼ Hydraulic Hose Model and Specification Table

Model	Pressure (MPa)	length (m)	Specification information
HSP700-1	70	1	70MPa hose, 1-meter length, with PC protective casing, NPT3/8 external thread
HSP700-1- M	70	1	70MPa hose, 1-meter length, with PC protective casing, NPT3/8 external thread, with 1 tapered male coupler
HSP700-1- MM	70	1	70MPa hose, 1-meter length, with PC protective casing, NPT3/8 external thread, with 2 tapered male couplers
HSP700-3	70	3	70MPa hose, 3-meter length, with PC protective casing, NPT3/8 external thread
HSP700-3-M	70	3	70MPa hose, 3-meter length, with PC protective casing, NPT3/8 external thread, with 1 tapered male coupler
HSP700-3-MM	70	3	70MPa hose, 3-meter length, with PC protective casing, NPT3/8 external thread, with 2 tapered male couplers
HSP700-6	70	6	70MPa hose, 6-meter length, with PC protective casing, NPT3/8 external thread
HSP700-6-M	70	6	70MPa hose, 6-meter length, with PC protective casing, NPT3/8 external thread, with 1 tapered male coupler
HSP700-6-MM	70	6	70MPa hose, 6-meter length, with PC protective casing, NPT3/8 external thread, with 2 tapered male couplers
HSP700-10	70	10	70MPa hose, 10-meter length, with PC protective casing, NPT3/8 external thread
HSP700-10-M	70	10	70MPa hose, 10-meter length, with PC protective casing, NPT3/8 external thread, with 1 tapered male coupler
HSP700-10-MM	70	10	70MPa hose, 10-meter length, with PC protective casing, NPT3/8 external thread, with 2 tapered male couplers
HSP700-20	70	20	70MPa hose, 20-meter length, with handle sleeve, NPT3/8 external thread
HSP700-20-M	70	20	70MPa hose, 20-meter length, with handle sleeve, NPT3/8 external thread, with 1 tapered male coupler
HSP700-20-MM	70	20	70MPa hose, 20-meter length, with handle sleeve, NPT3/8 external thread, with 2 tapered male couplers
HSP700-30	70	30	70MPa hose, 30-meter length, with handle sleeve, NPT3/8 external thread
HSP700-30-M	70	30	70MPa hose, 30-meter length, with handle sleeve, NPT3/8 external thread, with 1 tapered male coupler
HSP700-30-MM	70	30	70MPa hose, 30-meter length, with handle sleeve, NPT3/8 external thread, with 2 tapered male couplers
HDP700-6-232	70	6	70MPa twin hoses, 6-meter length, with quick-connect couplers, male G1/4 external thread
HDP700-12-232	70	12	70MPa twin hoses, 12-meter length, with quick-connect couplers, male G1/4 external thread
HSP1800-3	180	3	180MPa hose, 3-meter length, with PC protective casing, G1/4 external thread
HSP1800-3-MM	180	3	180MPa hose, 3-meter length, with PC protective casing, G1/4 external thread, with 2 No. 116 male couplers
HSP1800-3- FF	180	3	180MPa hose, 3-meter length, with PC protective casing, G1/4 external thread, with 2 No. 116 female couplers
HSP1800-3- FM	180	3	180MPa hose, 3-meter length, with PC protective casing, G1/4 external thread, with 1 pair of No. 116 male and female couplers
HSP1800-6	180	6	180MPa hose, 6-meter length, with PC protective casing, G1/4 external thread
HSP1800-6-MM	180	6	180MPa hose, 6-meter length, with PC protective casing, G1/4 external thread, with 2 No. 116 male couplers
HSP1800-6- FF	180	6	180MPa hose, 6-meter length, with PC protective casing, G1/4 external thread, with 2 No. 116 female couplers
HSP1800-6-FM	180	6	180MPa hose, 6-meter length, with PC protective casing, G1/4 external thread, with 1 pair of No. 116 male and female couplers
HSP1800-10	180	10	180MPa hose, 10-meter length, with PC protective casing, G1/4 external thread
HSP1800-6-MM	180	6	180MPa hose, 10-meter length, with PC protective casing, G1/4 external thread, with 2 No. 116 male couplers
HSP1800-10- FF	180	10	180MPa hose, 10-meter length, with PC protective casing, G1/4 external thread, with 2 No. 116 female couplers
HSP1800-10-FM	180	10	180MPa hose, 10-meter length, with PC protective casing, G1/4 external thread, with 1 pair of No. 116 male and female couplers
HSP2500-3	250	3	250MPa hose, 3-meter length, with PC protective casing, G1/4 external thread

Model	Pressure (MPa)	length (m)	Specification information
HSP2500-3-MM	250	3	250MPa hose, 3-meter length, with PC protective casing, G1/4 external thread, with 2 No. 125 male couplers
HSP2500-3-FF	250	3	250MPa hose, 3-meter length, with PC protective casing, G1/4 external thread, with 2 No. 125 female couplers
HSP2500-3-FM	250	3	250MPa hose, 3-meter length, with PC protective casing, G1/4 external thread, with 1 pair of No. 125 male and female couplers
HSP2500-6	250	6	250MPa hose, 6-meter length, with PC protective casing, G1/4 external thread
HSP2500-6-MM	250	6	250MPa hose, 6-meter length, with PC protective casing, G1/4 external thread, with 2 No. 125 male couplers
HSP2500-6-FF	250	6	250MPa hose, 6-meter length, with PC protective casing, G1/4 external thread, with 2 No. 125 female couplers
HSP2500-6-FM	250	6	250MPa hose, 6-meter length, with PC protective casing, G1/4 external thread, with 1 pair of No. 125 male and female couplers
HSP2500-10	250	10	250MPa hose, 10-meter length, with PC protective casing, G1/4 external thread
HSP2500-10-MM	250	10	250MPa hose, 10-meter length, with PC protective casing, G1/4 external thread, with 2 No. 125 male couplers
HSP2500-10-FF	250	10	250MPa hose, 10-meter length, with PC protective casing, G1/4 external thread, with 2 No. 125 female couplers
HSP2500-10-FM	250	10	250MPa hose, 10-meter length, with PC protective casing, G1/4 external thread, with 1 pair of No. 125 male and female couplers
HSP2800-10	280	10	280MPa hose, 10-meter length, with PC protective casing, G1/4 external thread
HSP2800-10-MM	280	10	280MPa hose, 10-meter length, with PC protective casing, G1/4 external thread, with 2 No. 125 male couplers
HSP2800-10-FF	280	10	280MPa hose, 10-meter length, with PC protective casing, G1/4 external thread, with 2 No. 125 female couplers
HSP2800-10-FM	280	10	280MPa hose, 10-meter length, with PC protective casing, G1/4 external thread, with 1 pair of No. 125 male and female couplers

- ◆ For hoses of 10 meters or less, a PC protective casing is standard. For hoses over 10 meters, a corrugated rubber handle is provided.
- ◆ Any length can be customized.
- ◆ The above naming method does not represent the entire supply range. For more options, please consult for details.