

▼ Couplers



Couplers

FLOW: 5.3-35L/min

Diameter: 2.5-10mm

Pressure: 70-300MPa

NPT 3/8" High-flow Coupler

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

NPT 3/8" Conventional Quick Coupler

- •It is suitable for medium-load applications, such as when using a manual pump.
- •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 Coupler

- It is used in conjunction with ultra-high pressure pumps operating at 150MPa, 250MPa, and 300MPa, 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.
- •It comes with a "two-in-one" dust cap that can be used for both male and female couplers.



With the ULTPER 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-250MPa quick couplings

Model Number	Pictures	Thread	Argument	Dimensional Drawing	Weight
			Maximum working pressure : 72MPa	72.0	
102321494		NPT 3/8-18	Diameter: Conical 10mm	Ø35.6 11.6	212g
			Flow: 35L/Min (8.8 GPM UK)	-8753/6-18	
			Maximum working pressure : 72MPa	43.4	
102326444	102326444	NPT 3/8-18	Diameter: Conical 10mm	9117 919 20	20g
		Flow: 35L/Min (8.8 GPM UK)			
) IDT	Maximum working pressure : 72MPa	41.0	
102326434	102326434	NPT 3/8-18	Diameter: spherical 10mm	Ø 31,7 Ø 19.0	120g
			Flow: 21.2L/Min (4.7 GPM UK)		
		NPT 3/8-18	Maximum working pressure : 72MPa	72.0	230g
102321484			Diameter: spherical 10mm	Ø33,8	
			Flow: 21.2L/Min (4.7 GPM UK)	aptid-18	
			Maximum working pressure : 72MPa	61,6	
102321452		NPT 1/4-18	Diameter: spherical 6.3mm	Ø29.0 21.0	130g
			Flow: 16.1L/Min (3.5GPM UK)	-SPT1/4-18	
			Maximum working pressure : 72MPa	55.0	
102326452		NPT 1/4-18	Diameter: spherical 6.3mm	Ø 26.7	110g
			Flow: 16.1L/Min (3.5GPM UK)	NPT1/4-18	
			Maximum working pressure : 72MPa	34.0	
102326402		NPT 1/4-18	Diameter: spherical 6.3mm	Ø 26.7	110g
			Flow: 16.1L/Min (3.5GPM UK)		



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)	64.0	220g
101156402		NPT 1/4-18	Maximum working pressure: 100 MPa Diameter: 2.5mm Flow: 5.3L/Min (1.2GPM UK)	39.0 NPT1/4-18	70g
101151454		NPT 3/8-18	Maximum working pressure: 100 MPa Diameter: 2.5mm Flow: 6L/Min (1.3GPM UK)	Ø 20. 8 24. 8	220g
101156404		NPT 3/8-18	Maximum working pressure: 100 MPa Diameter: 2.5mm Flow: 5.3L/Min (1.2GPM UK)	- NPT3/8-18	65g
700C3F		NPT 3/8-18	Maximum working pressure: 70MPa Diameter: Conical 10mm Flow: 23L/Min (6.1 GPM UK)	Ø 32 NPT3/8-18	220g
700C3M		NPT 3/8-18	Maximum working pressure: 70MPa Diameter: Conical 10mm Flow: 23L/Min (6.1 GPM UK)	48 - 24 - 24 - NPT3/8-18	110g
101166202		G1/4-19	Maximum working pressure: 150MPa Diameter: 2.5mm Flow: 6.0L/Min (1.3GPM UK)	41.0 ————————————————————————————————————	70g



▼ 70MPa-250MPa quick connectors

Model Number	Pictures	Thread	Argument	Argument Dimensional Drawing	
			Maximum working pressure : 150MPa	15.0 J. 15.0 J	
101161202		G1/4-19	Diameter: 2.5mm		200g
			Flow: 6.0L/Min (1.3GPM UK)		
		Maximum working pressure : 250MPa	65.0		
101251203		G1/4-19	Diameter: 2.5mm	Ø 5u. 0	230g
			FLow: 5.8L/Min (1.3GPM UK)		
		G1/4-19	Maximum working pressure : 250MPa	38.0 ————————————————————————————————————	
101256203			Diameter: 2.5mm	22.0	70g
			Flow: 5.8L/Min (1.3GPM UK)		
			Maximum working pressure : 300MPa	-M16X1.5	
101351505		G1/4-19	Diameter: 2.5mm	Ø 50.0 22.0	200g
			Flow: 4.6L/Min (2.3GPM UK)		
			Maximum working pressure : 300MPa		
101356505			Diameter: 2.5mm	Ø 25.0 - 22.0	230g
			Flow: 4.6L/Min (2.3GPM 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	1	-	1	- 6.5 - 4.0	3
700C02		NPT 1/8-27	1	-	1	8.0 5.0 NPT1/8-27	4
700C03		NPT 1/4-18	1	-	1	NPT1/4-18	7
700C04		NPT 3/8-18	-	-	-	NPT3/8-18	12
700H04		NPT 3/8-18	-	-	ı	18.0 — 18	31
NM0303		NPT 1/4-18	NPT 1/4-18	-	-	Ø 5.0 14.0 17.0 NPT1/4-18	29
NML0303		NPT 1/4-18	NPT 1/4-18	-	-	105.0 NFT1/4-18	98
NM0404		NPT 3/8-18	NPT 3/8-18	-	-	NPT3/8-18	49

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Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
NML0404		NPT 3/8-18	NPT 3/8-18	-	-	Ø 9,0 19,0 19,0 19,0 19,0 19,0	127
NM0304		NPT 1/4-18	NPT 3/8-18	-	-	Ø 6.0 NPT1/4-18	48
NM03G03		G1/4-19	NPT 1/4-18	-	-	Ø 4.0 18.0 18.0 17.0 SPT1/4-18	45
NM04G03		G1/4-19	NPT 3/8-18	,	-	Ø 4.0 15.8 173.78-18	68
NM04F03		NPT 3/8-18	NPT 1/4-18	-	-	NPT3/8-18 - NPT1/4-18	18
NF0303		NPT 1/4-18	NPT 1/4-18	-	-	9.5 9.5 9.5 PF11/4-18	39
NF0404		NPT 3/8-18	NPT 3/8-18	-	-	Ø 23.8 NPT3/8-18 NPT3/8-18	60
NF0304		NPT 1/4-18	NPT 3/8-18	_	_	9.0 9.0 9.0 9.0 PT3/8-18	39

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Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
NM03GF03		NPT 1/4-18	G1/4-19	-	-	35.0 24.0 NPT1/4-18 G1/4-19	66
NM04GF03		NPT 3/8-18	G1/4-19	-	-	Ø 5.0 NPY3/8-18 22.0 G1/4-19	68
NM04F04	- Internal	NPT 3/8-18	NPT 3/8-18	-	-	NPT3/8-18 NPT3/8-18	137
LF0303		NPT 1/4-18	NPT 1/4-18	-	-	7. 0 12. 9 SFT1/4-18	132
LM04F04		NPT 3/8-18	NPT 3/8-18	-	-	NPT3/8-18 45.5 NPT3/8-18	142
LF0404		NPT 3/8-18	NPT 3/8-18	-	-	SPT3/8-18 -25.4 -25.4 -	143
TF04		NPT 3/8-18	NPT 3/8-18	NPT 3/8-18	-	NPT3/8-18 -25.4 -2	156
SF03		NPT 1/4-18	NPT 1/4-18	NPT 1/4-18	NPT 1/4-18	40.0 - 22.0 - 40.0 - 20	210



Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
SF04		NPT 3/8-18	NPT 3/8-18	NPT 3/8-18	NPT 3/8-18	NFT3/8-18 NFT3/8-18 NFT3/8-18 NFT3/8-18	171
700D6	T T T	7-NPT 3/8-18	-	-	-	178 40 40 40 40 40 40 40 40 40 40 40 40 40	2000
700D10		11-NPT 3/8-18	ı	-	1	10 10 10 10 10 10 10 10 10 10 10 10 10 1	4250
700D17	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	18-NPT 3/8-18	-	-	-	13	3640
700D2-2	9 B	3-NPT 3/8-18	3-NPT 3/8-18	A—	— A1 — A2 — B1 — B2	2 - 25 - 25 - 25 - 25 - 25 - 25 - 25 -	1147

▼ 70MPa sleeve connectors

Model Number	Pictures	Thread A	Stuck tube size	Nut size	Dimension drawing	Weight (g)
FM03-10		NPT 1/4-18	Ø10	M18x1.5	NPT1/4-18 通松2 6.0	74
FM04-10		NPT 3/8-18	Ø10	M18x1.5	NPT3/8-18	77



Model Number	Pictures	Thread A	Stuck tube size	Nut size	Dimension drawing	Weight (g)
FLM03-10		NPT 1/4-18	Ø10	M18x1.5	N9T1/4-16 22.0 30.0	96
FLM04-10		NPT 3/8-18	Ø10	M18x1.5	50 0 50 0 50 0 50 0	112
FT-10		-	Ø10	M18x1.5	75.5	182
FS-10		1	Ø10	M18x1.5	78.5	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	-	-	NPT1/4-18 NPT1/4-18	79
GAN04		NPT 1/4-18	NPT 3/8-18	-	-	NPT5/8-18 NPT1/4-18	96
GAL03		NPT 1/4-18	NPT 1/4-18	-	-	62 19 19 NFT1/4-18 NFT1/4-18	96



Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
GAL04		NPT 1/4-18	NPT 3/8-18	-	-	65 - 19 - 19 - 19 - 19 - 19 - 19 - 19 - 1	126
GA45		NPT 3/8-18	NPT 1/4-18	NPT 3/8-18	-	NPT1/4-18 45° 30.0 15.9 14.4 55.0 0	590
GA3	The state of the s	NPT 3/8-18	NPT 1/4-18	NPT 3/8-18	-	133.0 32.0 NPT1/4-18 35.0 32.0 NPT5/8-18	744

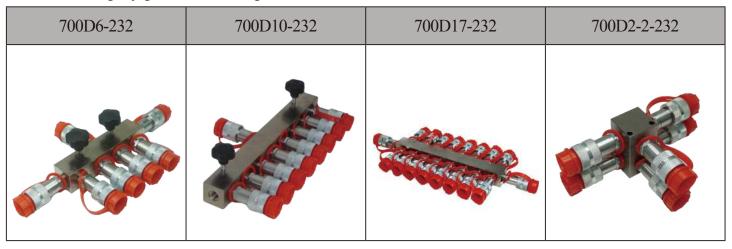
▼ High pressure converters and distributors

Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
2500G03		G1/4-19	-	-	-	27.0	33
2500G0303		G1/4-19	G1/4- 19	-	-	43.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17	43
2500GL0303		G1/4-19	G1/4- 19	-	-	19, 0 10, 0 11, 0 11, 0 11, 0 11, 0 11, 0 11, 0 11, 0 11, 0 11, 0	124
2500D3		G1/4-19	G1/4-19	G1/4-19	G1/4-19	4-61/4-19	430



Model Number	Pictures	Thread A	Thread B	Thread C	Thread D	Dimension drawing	Weight (g)
2500D6		7-G1/4- 19	-	-	-	7-61/4-19	2000
2500GA05		G1/2-14	G3/8- 19	-	-	39 65/8-19 グロスナ1489 61/2-14	129
2500GA03		G1/2-14	G1/4- 19	-	-	58 G1/4 19	129g

▼ Product display pictures of adapter distributors.



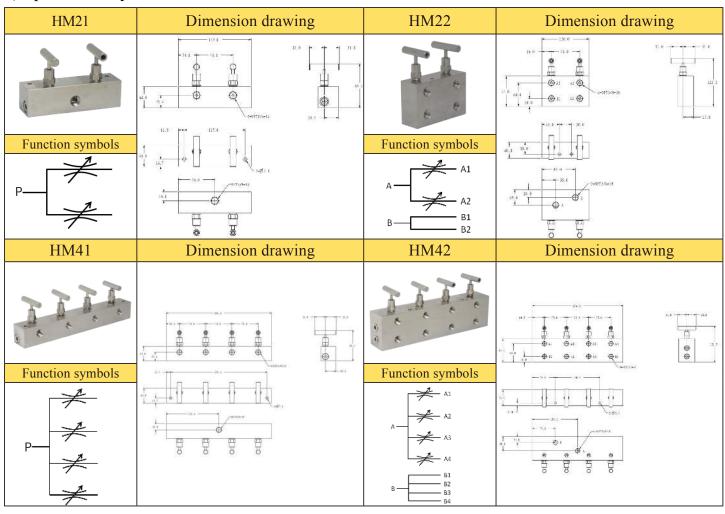
▼ Product display pictures of ultra-high pressure adapter distributors.





▼ control manifold and valve

▼ Split Flow Hydraulic Manifold:



▼ Product display pictures of split flow hydraulic manifold

HM21-232	HM22-232	HM41-232	HM42-232
HM22-GA	HM41-GA	HM42-GA	



▼ HV42 Hydraulic Check Valve



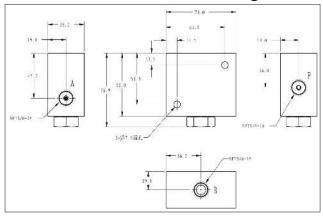
Technical features:

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

▼ HV42 Type Specification Sheet:

Model Number	Functional symbol	Rated pressure	Maximum flow	Installation form
HV42	P A	70MPa	30L/Min	Tubular NPT3/8

▼ HV42 Dimensional Drawing:



▼ HV66 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

▼ HV66 Model Specification Sheet:

Model Number	Dimensional Drawing	Rated pressure	Maximum flow	Installation form
HV66 Functional symbol	NP73/9-18 NP73/9-18 NP73/9-18 NP73/9-18	70MPa	30L/Min	Tubular NPT3/8



▼ HV22 Check Valve



◆The models shown are HV22L and HV22 from left to right

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

▼ HV22 Model Specification Sheet:

Model Number	Dimensional Drawing	Rated pressure	Maximum flow	Installation form
HV22	- 62.0 60.0 67.5 -			
Functional symbol P	SPTS/8-18	70MPa	30L/Min	Tubular NPT3/8

▼HV91 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.

▼ HV91 型号规格表:

Model Number	Dimensional Drawing	Rated pressure	Maximum flow	Installation form
HV91	65			
Functional symbol				Pipe
P A	76	70MPa	30L/Min	mounting NPT3/8



▼ HV2500T ultra-high pressure neddle 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.

▼HV2500T 型号规格表:

Model Number	Dimensional Drawing	Rated pressure	Maximum flow	Installation form
HV2500T Functional symbol	62 ————————————————————————————————————			
P A	50 25 61/4-19	250MPa	10L/Min	Pipe mounting NPT3/8

▼ HV2500P ultra-high pressure neddle valve



Technical features:

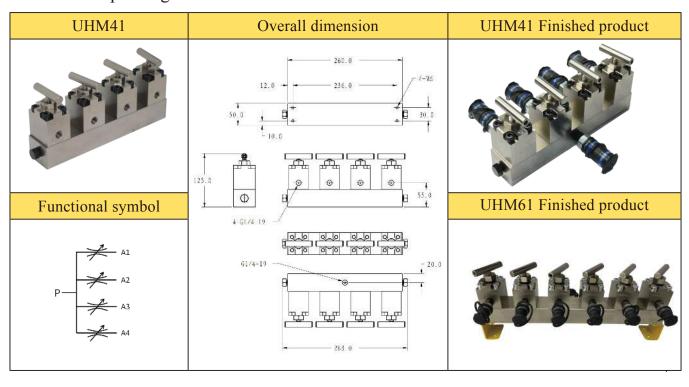
- High-strength needle valve, providing reliable hydraulic locking
- 42CrMo conditioning material, electroplated chemical nickel surface treatment
- Multiple throttle valves can be used side-byside
- Compact structure, saving installation space
- High-strength sealing, high pressure resistance and no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

▼ HV2500P Model Specification Sheet:

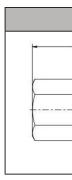
Model Number	Dimensional Drawing	Rated pressure	Maximum flow	Installation form
HV2500P Functional symbol	4-Ø8.1 30 62 A II : G1/4-19	250MPa	10L/Min	Panel mounting G1/4-19



▼ Product example diagram:



▼ Safety





▼ 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

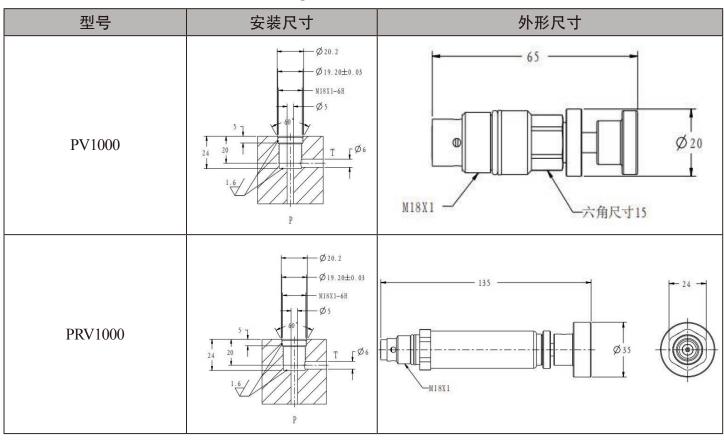
▼ PRV Model Specification Table:

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	An I v	Tubular mounting seat	P A	250	10	300



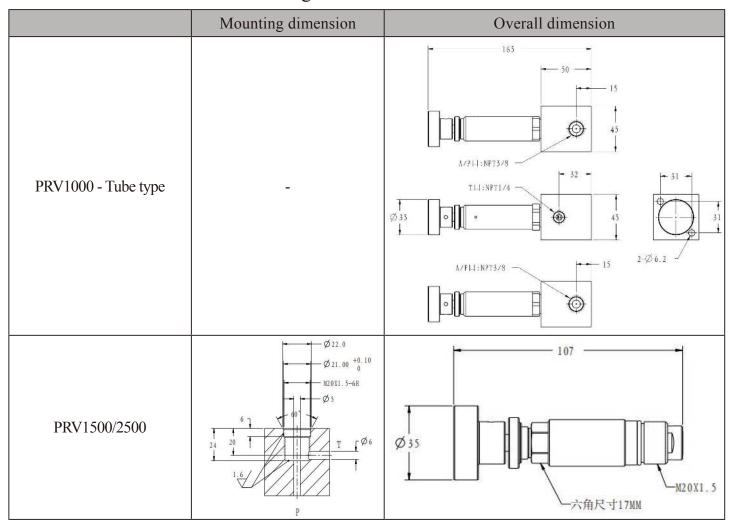
Model Number	Pictures	Installation mode	Functional symbol	Rated pressure (MPa)	Maximum overflow flow (L/ Min)	Weight (g)
PRV1500		Threaded insert type		150	10	300
PRV2500		Threaded insert type		250	10	300
POV2500		Threaded insert type	R P	250	10	200

▼ PRV Outline Dimensional Drawing:





▼ PRV Outline Dimensional Drawing:

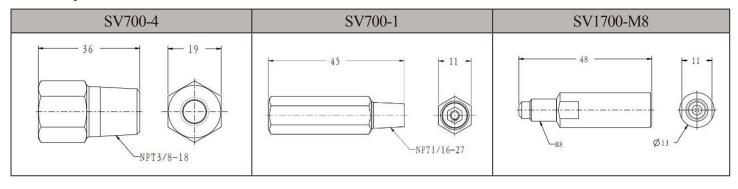


▼ Safety Valve:

V Saidty						
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	M8-6H Ø 2 6.5min 9.0max		29g



▼ Safety valve outline size table:





MV Manual reversing 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 reversing valve specification table:

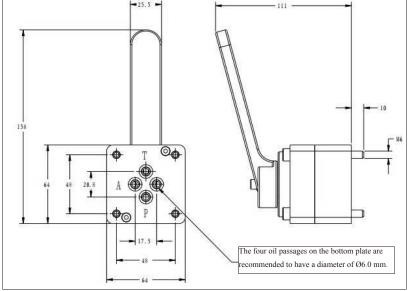
Model number	Functional symbol	Median function	Rated pressure	Maximum flow	Installation form
MV33-P	A L P T	-	70MPa	17L/Min	Plate mounting
MV43-M-P	A B I I I I I I I I I I I I I I I I I I	M	70MPa	17L/Min	Plate mounting
MV43-O-P	A B T T T P T	О	70MPa	17L/Min	Plate mounting
MV43-M-T	A B P T	M	70MPa	17L/Min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

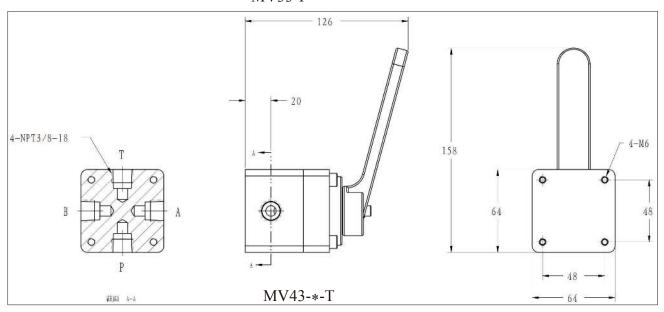
[•] Plate installation needs to be matched according to the size of the oil distribution valve block, tubular installation can be directly installed joints or hoses.

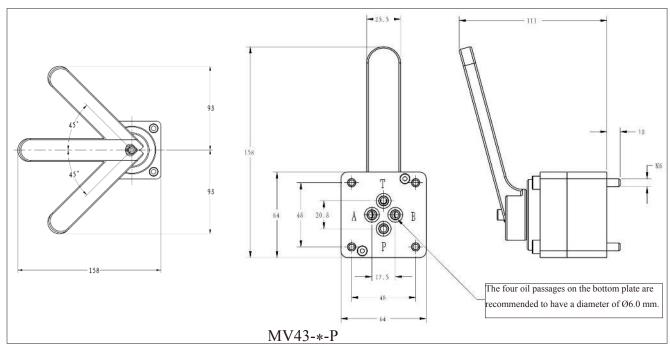


▼ Dimension drawing of MV manual directional control valve



MV33-P







▼ Application example diagram:









▼电磁换向阀



Technical features:

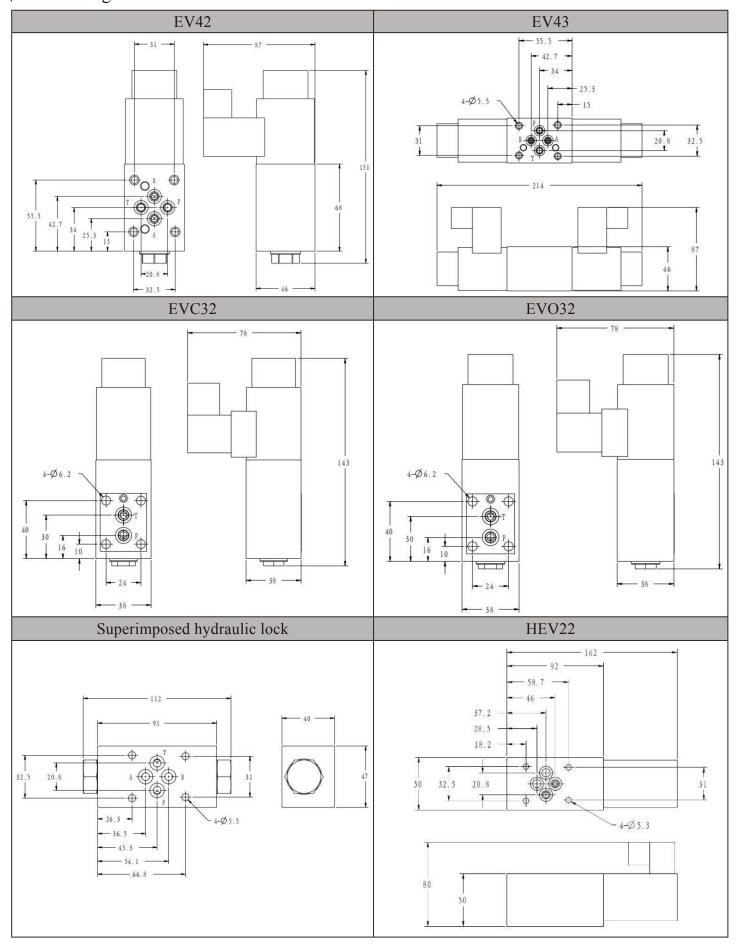
- 42CrMo tempered material, high strength and long life
- QPQ carbonitriding surface treatment, strong wear and corrosion resistance
- Optional 220VAC or 110VAC control coil
- 100%ED design, suitable for complex working conditions
- Precise matching of reversing spool, low leakage
- Superposition liquid 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	70MD	A B	A C220/DC24	Two Position Four	
HEV42-DC24	70MPa	PT	AC220/DC24	Way Valve	17L/Min
HEV43-H-AC220	70MPa	A B	AC220/DC24	Three position four- way valve	17L/Min
HEV43-H-DC24	7 01 111 u	P T	110220/12021	H type center position	1 / 1/1/1111
HEV43-Y-AC220	70MPa		AC220/DC24	Three position four- way valve	17L/Min
HEV43-Y-DC24	/OIVII a	T T T	AC220/DC24	Y type center position	1 / L/ (VIIII
EVO32-AC220	70MPa	R A /	AC220/DC24	Normally open	17L/Min
EVO32-DC24	7 01 v11 u	♦ Image: Section of the property of the	110220/19021	unloading valve	1,2,1,111
EVC32-AC220	70MPa		AC220/DC24	Normally Closed	17L/Min
EVC32-DC24	701 VII a	→ → W	11C220/DC24	Unloading Valve	1 / 12/191111
HPC700	70MPa		AC220/DC24	Bidirectional hydraulic lock	17L/Min
HEV22-DC24	70MPa	R P	DC24	Two-position two- way switch valve	17L/Min



▼ Electromagnetic directional valve dimensions:

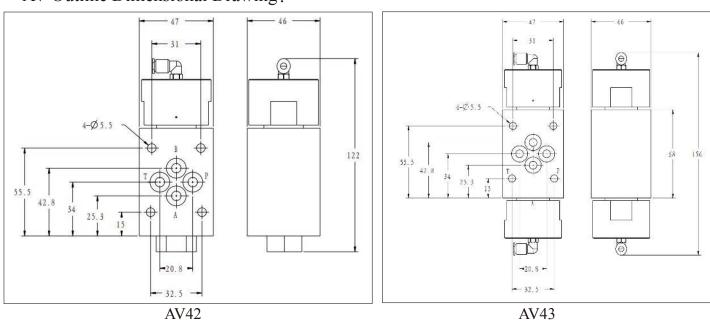




▼ AV pneumatic control solenoid valve

Model Number	Pictures	Rated pressure	FUHCHOHAI SVIIIDOI	Input Atmospheric pressure	Maximum flow (L/Min)
AV42		70MPa	$\longrightarrow \bigvee_{P \in T} \bigwedge_{A \in B}$	>3-10bar	17L/Min
AV43-H		70MPa	A B P T	>3-10bar	17L/Min
AV43-Y		70MPa	A B T T T	>3-10bar	17L/Min

▼ AV Outline Dimensional Drawing:



▼ Application example diagram:







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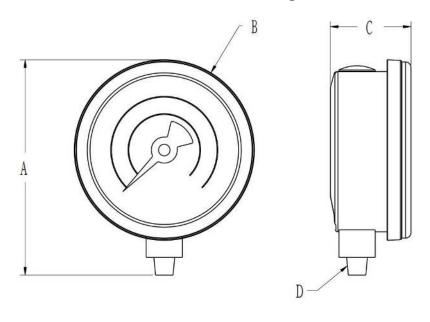


▼ Gauge And Transducer

▼Gauge



▼Gauge Outline Dimensional Drawing:



Gauge Series

Pressure measuring range: 0-4000bar

Surface diameter: 60-100mm

Accuracy is full range: $\pm 1.0-1.6\%$

- 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.

▼ Gauge specification table:

Model Number	Pressur	e range	Dimension (mm)				
Model Number	(bar)	(psi)	A	В	С	D	
HG100-60	0-1000	0-14500	92	73	43	NPT1/4	
HG100-100	0-1000	0-1450	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	



▼Pressure Transducer And Cable

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

▼位移传感器以及线缆

Model Number	Pictures	Range	Voltage	External drawing
HR -1000-A1		1000mm	24VDC 4-20mA	90.0
HR -1000- C30		-	-	- •Standard 30m displacement sensor cable



▼ Hydraulic Hose



▼ Hydraulic hose specification table:

		_			
HP	Hv	drai	ulic	Hos	e
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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 shorter than 10 m 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.

Name	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:



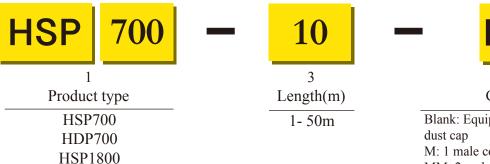
Hydraulic hose manufacturing



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



Couplers Blank: Equipped with threaded protective

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M: 1 male coupler MM: 2 male couplers FF: 2 female couplers

FM: 1 pair of male and female couplers

▼ Typical model table of hydraulic hoses:

HSP2500

Model	Product Picture	Pressure (MPa)	length (m)	Specification information
HSP700-3	A second	70МРа	3m	70MPa hose, 3 meters long, with PC protective casing, external thread NPT3/8
HSP700-3-M		70MPa	3m	70MPa hose, 3 meters long, with PC protective casing, external thread NPT3/8, with 1 tapered male coupler
HDP700-6-232		70MPa	6m	70MPa double hose, 6 meters long, external thread G1/4, with 2 quick - connect couplers
HSP1800-6-FF		70MPa	6m	180MPa hose, 6 meters long, with PC protective casing, external thread G1/4, with 2 116 female couplers
HSP1800-3-FM		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-FF		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 double hoses, 6-meter length, with quick-connect couplers, male G1/4 external thread
HDP700-12-232	70	12	70MPa double 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
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

- 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.