

Y Type Micro Filter (Filtration Grade:120mesh)

3/4"



Item No.	Size	Type	Max. Flow	Filtration Surface	Max. Pres.
1725S120B/N	3/4"	Screen	5m ³ /h	95cm ²	8bar
1725D120B/N	3/4"	Disc	4m ³ /h	150cm ²	8bar

1"



Item No.	Size	Type	Max. Flow	Filtration Surface	Max. Pres.
1732S120B/N	1"	Screen	5m ³ /h	95cm ²	8bar
1732D120B/N	1"	Disc	4m ³ /h	150cm ²	8bar

1-1/2"



Item No.	Size	Type	Max. Flow	Filtration Surface	Max. Pres.
Y50S120B/N	1.5"	Screen	20m ³ /h	488cm ²	8bar
Y50D120B/N	1.5"	Disc	20m ³ /h	568cm ²	8bar

2"



Item No.	Size	Type	Max. Flow	Filtration Surface	Max. Pres.
Y63S120B/N	2"	Screen	25m ³ /h	488cm ²	8bar
Y63D120B/N	2"	Disc	25m ³ /h	568cm ²	8bar

2" Super



Item No.	Size	Type	Max. Flow	Filtration Surface	Max. Pres.
YB63S120B/N	2"S	Screen	32m ³ /h	802cm ²	8bar
YB63D120B/N	2"S	Disc	32m ³ /h	884cm ²	8bar

Filter Elements



Screen Elements



Disc Elements

Solenoid Valve (Motor Type)

24V AC(DC)



IP68
WATERPROOF

12V DC Latching



IP68
WATERPROOF

Technical Data

- AC (DC) version: Voltage 24V (18-30V), Current Inrush 250 mA, Holding 15 mA
- DC Latching version has red (positive) wire and black (negative) wire
- DC Latching version: Voltage 9-40V, Pulse width: 80-500ms
- Max. ambient temperature: 60°C (140 °F)
- Filtration: Min. 80 mesh
- With 100cm Wires
- Pressure range: 0-10bar (0-140 psi)
- Max. fluid temperature: 60°C (140 °F)
- Hydraulic ports connecting: 1/8" BSP
- Waterproof Rating: Ip68

How to Connect with Main Hydraulic Valve:

	Flowing Direction	
	NC (Normally Closed)	NO (Normally Open)
De-energized	A: Pressure B: Vent C: Command	A: Vent B: Pressure C: Command
Energized	A: Pressure B: Vent C: Command	A: Vent B: Pressure C: Command

Note: NC & NO is referring to the Hydraulic valve. NC is hydraulic valve closing when de-energized, NO is hydraulic valve opening when de-energized.

Hydraulic Control Main Valve

T Type



Size	Connection	Kv m³/h@Δ1bar	Cv gpm@Δ1psi
3/4"(Dn20)	Threaded	11	13
1"(Dn25)	Threaded	11	13
1-1/2"(Dn40)	Threaded	40	46
2"(Dn50)	Threaded	50	58

Y Type

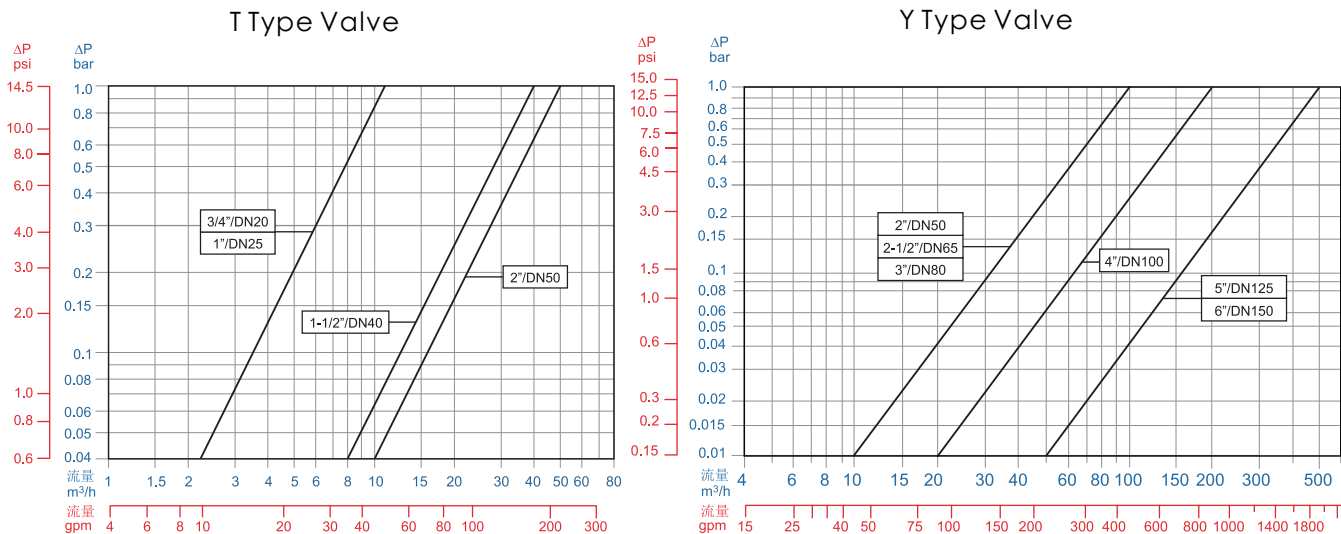


Size	Connection	Kv m³/h@Δ1bar	Cv gpm@Δ1psi
2"(Dn50)	Threaded	100	115
2-1/2"(Dn65)	Threaded	100	115
3"(Dn80)	Threaded/Flange/VIC	100	115
4"(Dn100)	Flange/VIC	200	230
5"(Dn125)	Flange	500	575
6"(Dn150)	Flange	500	575

Technical Data

- Working Pressure : 0.35-10bar (5-145psi)
- Max pressure: 10Bar / 145psi
- Threaded / Flange / VIC Grooved
- Highest working temperature: 60℃

Head Lose Chart



Solenoid Valve for On/Off Control (Working Pressure:0.4–10Bar)

T Type

Female Threaded



Item No.	Size	Solenoid
E12HV0220B/N	3/4"(Dn20)	12V DC Latching
E24HV0220B/N	3/4"(Dn20)	24V AC(DC)
E12HV0225B/N	1"(Dn25)	12V DC Latching
E24HV0225B/N	1"(Dn25)	24V AC(DC)

Y Type

Female Threaded



Item No.	Size	Solenoid
E12HV0150B/N	2"(Dn50)	12V DC Latching
E24HV0150B/N	2"(Dn50)	24V AC(DC)
E12HV0165B/N	2-1/2"(Dn65)	12V DC Latching
E24HV0165B/N	2-1/2"(Dn65)	24V AC(DC)
E12HV0180B/N	3"(Dn80)	12V DC Latching
E24HV0180B/N	3"(Dn80)	24V AC(DC)

Y Type

Flange



Item No.	Size	Solenoid
E12HV0180F	3"(Dn80)	12V DC Latching
E24HV0180F	3"(Dn80)	24V AC(DC)
E12HV01100F	4"(Dn100)	12V DC Latching
E24HV01100F	4"(Dn100)	24V AC(DC)

T Type

Female Threaded



Item No.	Size	Solenoid
E12HV0240B/N	1-1/2"(Dn40)	12V DC Latching
E24HV0240B/N	1-1/2"(Dn40)	24V AC(DC)
E12HV0250B/N	2"(Dn50)	12V DC Latching
E24HV0250B/N	2"(Dn50)	24V AC(DC)

Y Type

VIC Grooved



Item No.	Size	Solenoid
E12HV0180V	3"(Dn80)	12V DC Latching
E24HV0180V	3"(Dn80)	24V AC(DC)
E12HV0100V	4"(Dn100)	12V DC Latching
E24HV0100V	4"(Dn100)	24V AC(DC)

Y Type

Flange



Item No.	Size	Solenoid
E12HV01125F	5"(Dn125)	12V DC Latching
E24HV01125F	5"(Dn125)	24V AC(DC)
E12HV01150F	6"(Dn150)	12V DC Latching
E24HV01150F	6"(Dn150)	24V AC(DC)

Pressure Reducing Valve (Pressure Adjusting Range:0.8–6.5Bar)

Pressure Reducing Valve (with Solenoid Valve)

T Type

Female Threaded



Item No.	Size	Solenoid
E12MHV0240B/N	1-1/2"(Dn40)	12V DC Latching
E24MHV0240B/N	1-1/2"(Dn40)	24V AC(DC)
E12MHV0250B/N	2"(Dn50)	12V DC Latching
E24MHV0250B/N	2"(Dn50)	24V AC(DC)

Y Type

Female Threaded



Item No.	Size	Solenoid
E12MHV0150B/N	2"(Dn50)	12V DC Latching
E24MHV0150B/N	2"(Dn50)	24V AC(DC)
E12MHV0165B/N	2-1/2"(Dn65)	12V DC Latching
E24MHV0165B/N	2-1/2"(Dn65)	24V AC(DC)
E12MHV0180B/N	3"(Dn80)	12V DC Latching
E24MHV0180B/N	3"(Dn80)	24V AC(DC)

Y Type

VIC Grooved



Item No.	Size	Solenoid
E12MHV0180V	3"(Dn80)	12V DC Latching
E24MHV0180V	3"(Dn80)	24V AC(DC)
E12MHV01100V	4"(Dn100)	12V DC Latching
E24MHV01100V	4"(Dn100)	24V AC(DC)

Y Type

Flange



Item No.	Size	Solenoid
E12MHV0180F	3"(Dn80)	12V DC Latching
E24MHV0180F	3"(Dn80)	24V AC(DC)
E12MHV01100F	4"(Dn100)	12V DC Latching
E24MHV01100F	4"(Dn100)	24V AC(DC)

Y Type

Flange



Item No.	Size	Solenoid
E12MHV01125F	5"(Dn125)	12V DC Latching
E24MHV01125F	5"(Dn125)	24V AC(DC)
E12MHV01150F	6"(Dn150)	12V DC Latching
E24MHV01150F	6"(Dn150)	24V AC(DC)

Pressure Reducing Valve (With Manual 3-Way Valve)

T Type

Female Threaded



Item No.	Size	Connection
MHV0240B/N	1-1/2"(Dn40)	Threaded
MHV0250B/N	2"(Dn50)	Threaded

Y Type

Female Threaded



Item No.	Size	Connection
MHV0150B/N	2"(Dn50)	Threaded
MHV0165B/N	2-1/2"(Dn65)	Threaded
MHV0180B/N	3"(Dn80)	Threaded

Y Type

VIC Grooved



Item No.	Size	Connection
MHV0180V	3"(Dn80)	VIC
MHV01100V	4"(Dn100)	VIC

Y Type

Flange



Item No.	Size	Connection
MHV0180F	3"(Dn80)	Flange
MHV01100F	4"(Dn100)	Flange

Y Type

Flange



Item No.	Size	Connection
MHV01125F	5"(Dn125)	Flange
MHV01150F	6"(Dn150)	Flange

Pressure Sustaining Valve (Pressure Adjusting Range:0.8–6.5Bar)

T Type

Female Threaded



Item No.	Size	Connection
SHV0240B/N	1-1/2"(Dn40)	Threaded
SHV0250B/N	2"(Dn50)	Threaded

Y Type

Female Threaded



Item No.	Size	Connection
SHV0150B/N	2"(Dn50)	Threaded
SHV0165B/N	2-1/2"(Dn65)	Threaded

Y Type

VIC Grooved



Item No.	Size	Connection
SHV0180V	3"(Dn80)	VIC
SHV01100V	4"(Dn100)	VIC

Y Type

Flange



Item No.	Size	Connection
SHV0180F	3"(Dn80)	Flange
SHV01100F	4"(Dn100)	Flange

Y Type

Flange



Item No.	Size	Connection
SHV01125F	5"(Dn125)	Flange
SHV01150F	6"(Dn150)	Flange

Pressure Relief Valve (Pressure Adjusting Range: 1.0–10Bar)

T Type

Female Threaded



Item No.	Size	Connection
RHV0240B/N	1-1/2"(Dn40)	Threaded
RHV0250B/N	2"(Dn50)	Threaded
RHV0150B/N	2"(Dn50)	Threaded
RHV0180B/N	3"(Dn80)	Threaded

Y Type



Item No.	Size	Connection
RHV0180F/V	3"(Dn80)	Flange/VIC
RHV01100F/V	4"(Dn100)	Flange/VIC
RHV01125F	5"(Dn125)	Flange
RHV01150F	6"(Dn150)	Flange

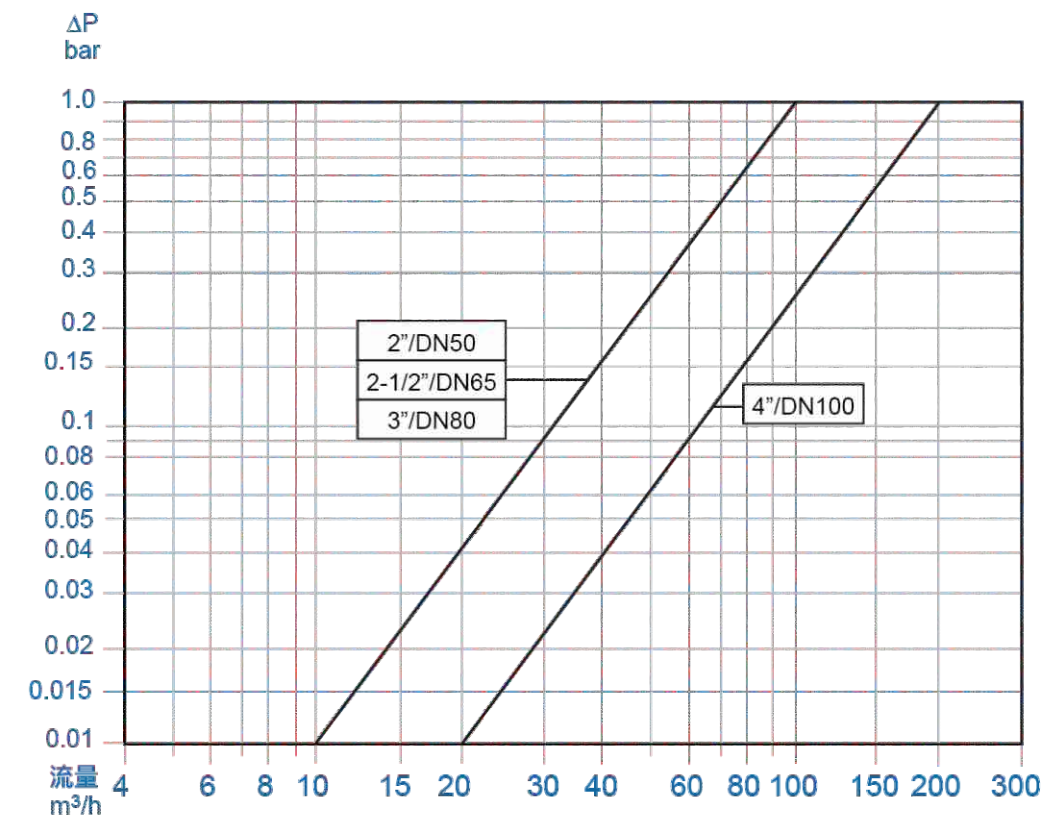
Proportional Pressure Reducing Valve

(Pressure Adjusting Range:0.5–10Bar)



Item No.	Size	Connection	Kv m³/h@Δ1bar	Cv gpm@Δ1psi	Reduction Ratio (Flow Velocity:2-3m/s)	Pressure Rating
PDV0150B/N	2"(Dn50)	Threaded	100	115	3:1	10Bar
PDV0165B/N	2-1/2"(Dn65)	Threaded	100	115	3:1	10Bar
PDV0180B/N/V/F	3"(Dn80)	Threaded/VIC/Flange	100	110	3:1	10Bar
PDV01100V/F	4"(Dn100)	VIC/Flange	200	230	3:1	10Bar

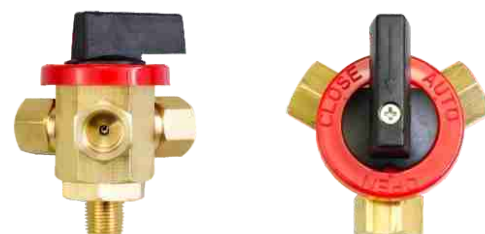
Head Lose Chart



Accessories for Hydraulic Valve



Item No.	Des.
PC200865	Pressure Reducing/Sustaining Pilot



Item No.	Des.
SX0130	Three Way Control Valve

UPVC VIC Adaptor for PVC Pipe



Item No.	Size
KK0390	3" VIC*90mm
KK04100	4" VIC*110mm

UPVC Elbow with Offtake for Air Valve



Item No.	Size
ECA900203	90mm*1"BSP*3"VIC
ECA1100204	110mm*2"BSP*4"VIC



Item No.	Size
FL0180	3" Flange Set
FL01100	4" Flange Set



Item No.	Size
FL01125	5" Flange Set
FL01150	6" Flange Set

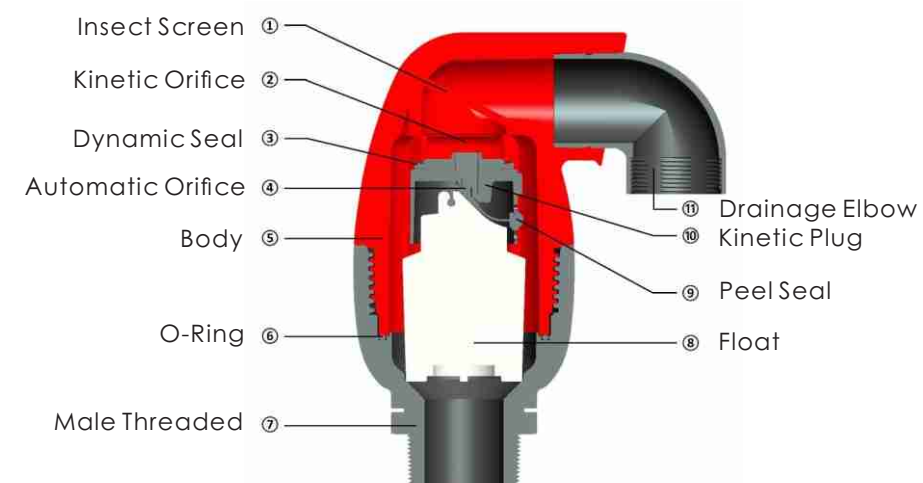
C Type Combination Air Valve



Item No.	CAV0125B/N
Size	1"(Dn25)
Connector	Male Threaded
Weight	0.5kg
Material	Glass Reinforced Nylon
Working Pressure	0.2-10Bar
Automatic Orifice	5.4mm ²
Kinetic Orifice	320mm ²
Quantity/Carton	36 Pcs



Item No.	CAV0150B/N
Size	2"(Dn50)
Connector	Male Threaded
Weight	1.4kg
Material	Glass Reinforced Nylon
Working Pressure	0.2-10Bar
Automatic Orifice	12.2mm ²
Kinetic Orifice	1590mm ²
Quantity/Carton	12 Pcs



Air Flow Performance Charts

