

**SEQUENCE VALVE**



**Technical Specification**

Specification	03	06	10	
Max. working pressure (Bar)	315			
Maximum Flow (L/min)	250	500	600	
Working Fluid	Mineral oil; phosphate-ester			
Fluid temp. (°C)	-20~70			
Viscosity (mm <sup>2</sup> /s)	12~380			
Working press (Bar)	50	100	200	315
Cleanliness	The maximum allowable cleanliness of the oil should be according to 9th degree of Standard NAS 1638. It is suggested that the minimum filter rating should be β 10 ≥ 75.			

WYS pilot-operated sequence valve is used to control action sequence of actuators in hydraulic systems so as to achieve automatic control. By changing the control mode, it can serve as back pressure valve, unload valve, bypass valve and sequence valve. In addition, an internal supply internal discharge sequence valve can also be used as a balance valve if it includes a check valve.

**Model Description**

**WYS \* - \* - \* \* - \* \* / \* \* 50 \***

Sequence valve

Pilot operated valve  
 Omit : Pilot operated without main cartridge (not marked diameter)  
 C : Pilot operated with with main cartridge (marked diameter)

Specification  
 03 : DN10  
 06 : DN20  
 10 : DN30

Working press  
 50 : to 50Bar  
 100 : to 100 Bar  
 200 : to 200 Bar  
 315 : to 315 Bar  
 350 : to 350 Bar

Omit : Without check valve  
 D : With check valve

Remarks

Serial number

Seal material  
 Omit : NBR Seals  
 V : FPM Seals

Pilot operated drainage port thread  
 Omit : G1/4"  
 M : M14X1.5

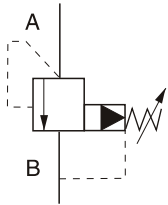
Omit Intl cntrl intl disch  
 X : Exrl cntrl intl disch  
 Y : Intl cntrl extl disch  
 XY : Extl cntrl extl disch

1 Rotary knob  
 2 Sleeve with hexagon and protective cap

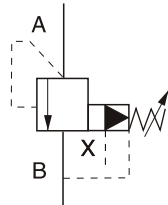
**SEQUENCE VALVE**

**Code Symbol**

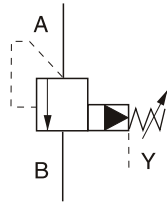
**WYS..**



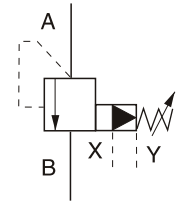
**WYS..X/..**



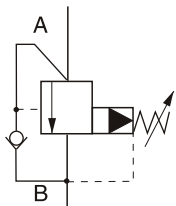
**WYS..Y/..**



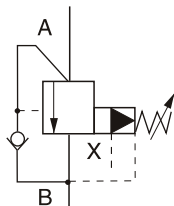
**WYS..XY/..**



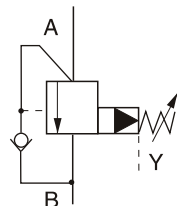
**WYS..D..**



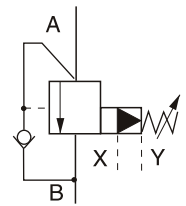
**WYS..D..X/..**



**WYS..D..Y/..**

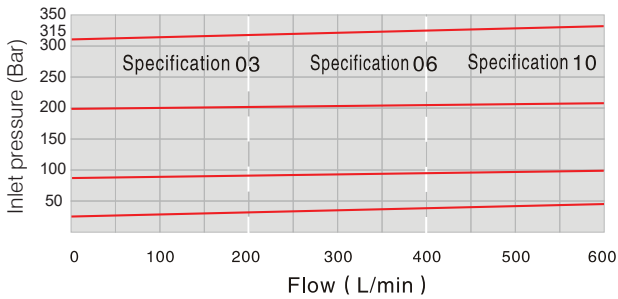


**WYS..D..XY/..**

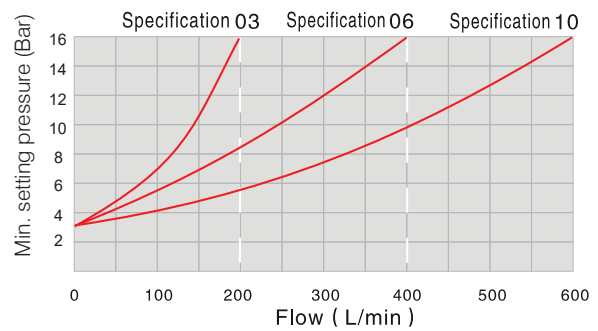


**Performance Curve (Measured at: Test under  $v=41\text{mm}^2/\text{s}$  and  $t=50^\circ\text{C}$ )**

**Inlet pressure in relation to the flow (A→B)**

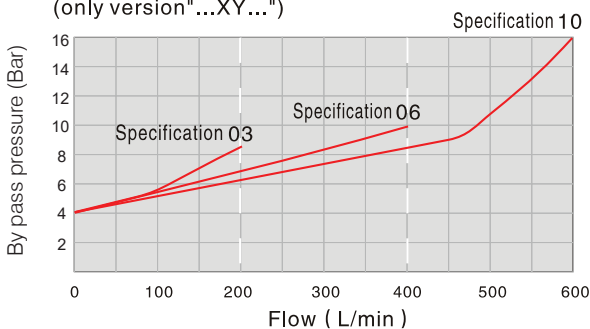


**Minimum settable pressure in relation to the flow (A→B)  
(=bypass pressure version "...X...")**

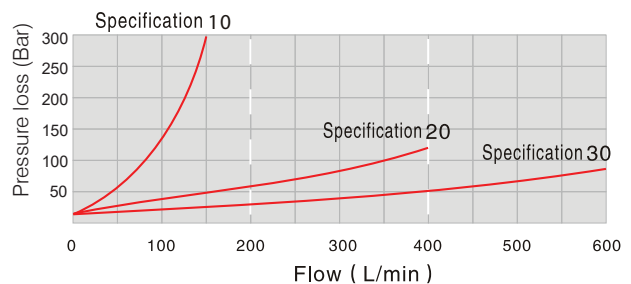


The characteristic curves are valid for the complete flow range

**Bypass pressure in relation to (A→B)  
(only version "...XY...")**



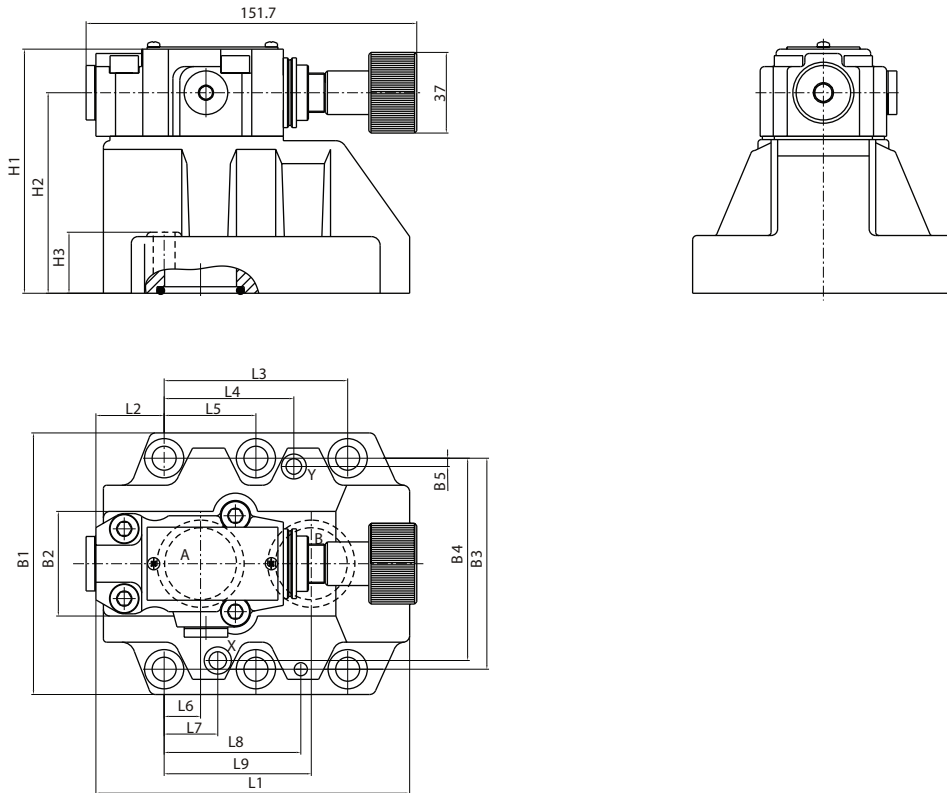
The curve  $\Delta P-Q$  pass through the check valve



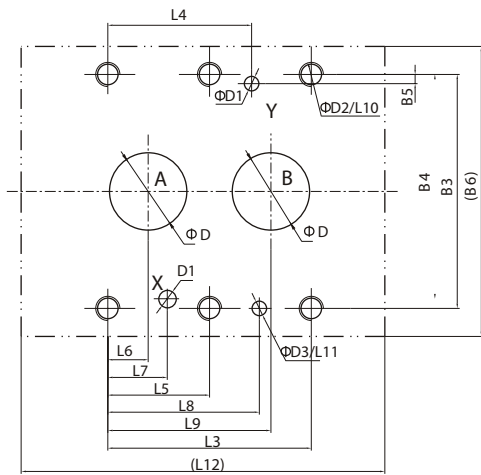
The characteristic curves are valid for outlet pressure  $P_b=0$  for the complete flow range

**Sequence valve**

**External dimensions**



**Subplate mounting size**



Specification	Mounting screw	Tighten torque
WYS-03	4-M10X50-10.9	75Nm
WYS-06	4-M10X60-10.9	75Nm
WYS-10	6-M10X70-10.9	75Nm

Notice : The surface, connecting with the valve, should be Ra0.8 roughness, and 0.01/100mm flatness.

Model	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	B1	B2	B3	B4	B5	B6	H1	H2	H3	D	D1	D2	D3
WYS-03	96	35.5	42.9	21.5	-	7.2	21.5	31.5	35.8	23	6	98	85	80	66.7	58.8	7.9	87	112	92	28	12	6	M10	7
WYS-06	116	37.5	60.3	39.7	-	11.1	20.6	44.5	49.2	24	6	118	102	59.5	79.4	73	6.4	104	122	102	38	25	6	M10	7
WYS-10	145	33	84.2	59.5	42.1	16.7	24.6	62.7	67.5	25	6	147	120	76	96.8	92.8	3.8	149	130	110	46	32	6	M10	7