

PB is pilot operated pressure relief valve, PBW is a pilot operated solenoid relief valve available to unload system pressure.

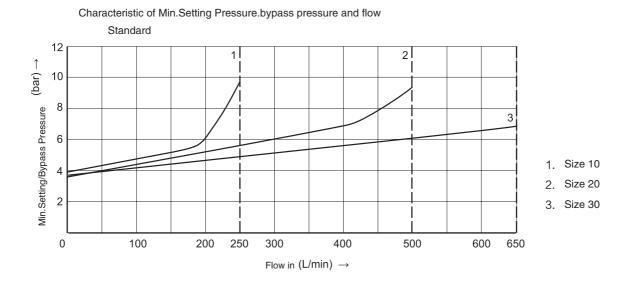
The performance of 6X series is superior than 60 series, the 6X series can be used to control the pressure of hydraulic systems smoothly in a wide range. This type is suitable for a hydraulic system which demands high flow rate.

Technical data

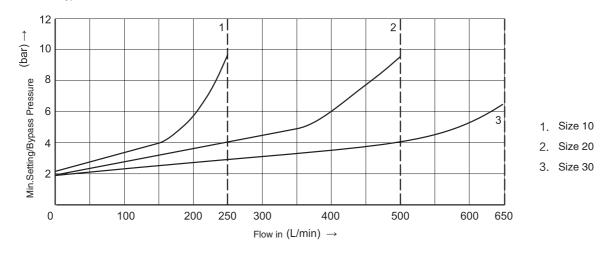
Size		1	0	2	0	30				
Series No		60	6X	60	6X	60	6X			
Operating pressure(Mpa)		31.5	35	31.5	35	31.5	35			
Max .flow rate(L/min)		200	250	400	500	600	650			
Fluid temperature(°C)		-20 ~ 70								
Filtration accuracy(µ m)		25								
Weight(KGS)		3	.2	4	.2	5.2				
Weight(Ree)	PBW	4	.7	5	.5	6.8				
Valve body (Material) Surface treatment		casting phosphating surface								
Oil cleanliness		NAS1638 class 9 and ISO4406 class 20/18/15								



HLP46, $\vartheta = 40^{\circ}C \pm 5^{\circ}C$ Characteristic curves (measured with HLP46, Voil= $40^{\circ}C \pm 5^{\circ}C$)



Charaterastics of Min.Setting Pressure.bypass presure and flow Type "U"



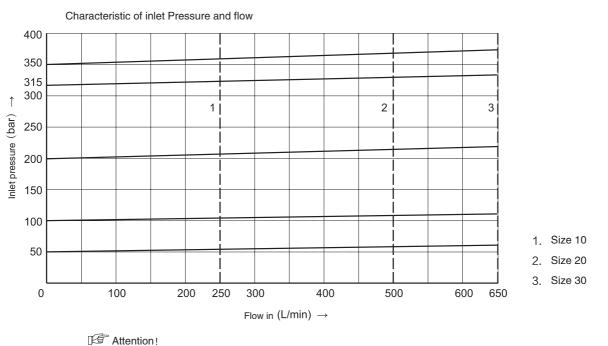
Attention!

The curves is measured without pressure when control oil back to the tank. Refers to the back into housing of the control oil,the pressure of "T" port has increased against the input pressure. The curves are available when the output pressure Pt=0 within the flow ranges.

03

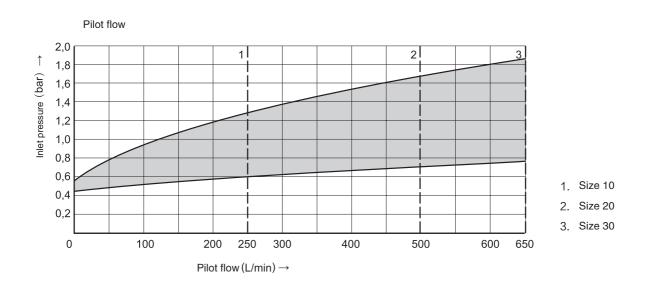


HLP46, $\vartheta = 40^{\circ}C \pm 5^{\circ}C$ Characteristic curves (measured with HLP46, Voil= $40^{\circ}C \pm 5^{\circ}C$)



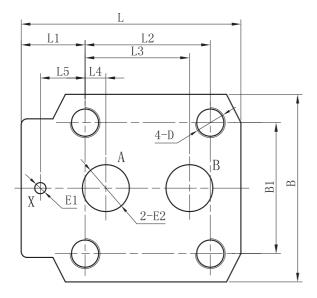
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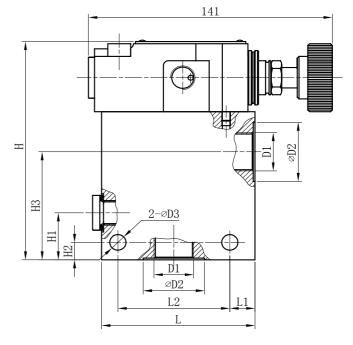
→ HLP46, $\vartheta = 40^{\circ}C \pm 5^{\circ}C$ Characteristic curves (measured with HLP46, Voil= $40^{\circ}C \pm 5^{\circ}C$)





Subplate mounting





Subplate mounting

Model	L	L1	L2	L3	L4	L5	В	B1	D	E1	E2
PB/PBW10	90	23.5	54	47.6	22.2	0	78	54	M12/26	Φ6	Ф12
PB/PBW20	117	34	66.7	55.6	11.1	23.8	100	69.8	M16/26	Φ6	Φ25
PB/PBW30	148	41.5	88.7	76.2	12.7	31.7	115	82.5	M18/26	Φ7	Ф 32

0

Threaded connections

Threaded connections

Model D1 Metric		D1	D2	D3	L	L1	L2	н	H1	H2	H3
		Inch	D2								
PB8G	M18 × 1.5	G 3/8"	28	9	85	14	62	125	27	10	62
PB10G	M22 × 1.5	G 1/2"	34	9	85	14	62	125	27	10	62
PB15G	M27 × 2	G 3/4"	42	9	85	14	62	125	27	10	62
PB20G	M33×2	G 1"	47	9	85	14	62	125	27	10	57
PB25G	M42×2	G 1 1/4"	56	9	100	18	72	138	40	13	66
PB30G	M48×2	G 1 1/2"	61	9	100	18	72	138	40	13	66



PB W 1	0 *	* - 1	60/31	5 *	* DC	24 N	Ź5L/ *	*
Model No code=Without directional valve W=With directional valve Size Subplate mounting:10;20;30						No	D Code=W	No code=NBR seals V=FPM seals No code=Inch thread; 2=Metric thread Z5L=Big quadrate plug with light ithout manual override =With manual override
Threaded connection:8;10;15; 20;25;30 A=Normally closed							\\	/oltage AC220;DC24
B=Normally open No code=subplate m G=Threaded connec							U=For	No Code=Standard min.cracking pressure
1= Hand wheel 2= Sleeve with hexagon and p Ser		cap			1	X =	Externall	bilot, internally drained bilot, internally drained
Pressure range (Mr					ilot, externally drained ilot, externally drained			

Catalogue 2019