



3.3

PH12S-15...L1X TYPE

DUAL ACTING COUNTER BALANCE

Nominal size	15
Rated pressure(bar)	350
Rated flow(L/min)	60

Benefits:

- Block installation pipe connection
- Work oil port without leak seal
- Stable opening pressure
- Steady operation and small impact for opening/closing
- Effectively preventing impact by control oil

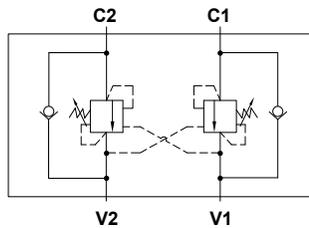
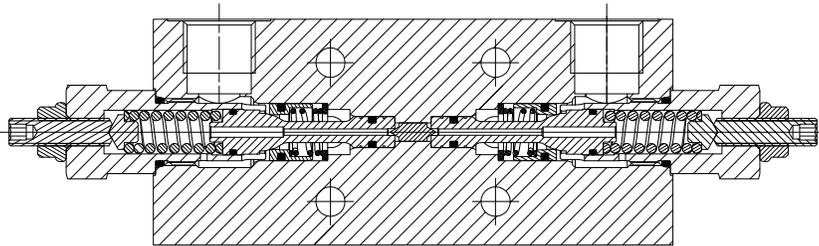


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Function description and code

It provides static and dynamic control of load by regulating the flow IN and OUT of the actuator, through ports C1 and C2. This valve module includes 2 sections, each one composed by a check and a relief valve pilot assisted by pressure in the opposite line: the check section allows free flow into the actuator, then holds the load against reverse movement; with pilot pressure applied at the line across, the pressure setting of the relief is reduced in proportion to the stated ratio until opening and allowing controlled reverse flow. Back-pressure at V1 or V2 is additive to the pressure setting in all functions. For better safety and compact assembly, the C1 and C2 ports are gasket mounted directly on the actuator.



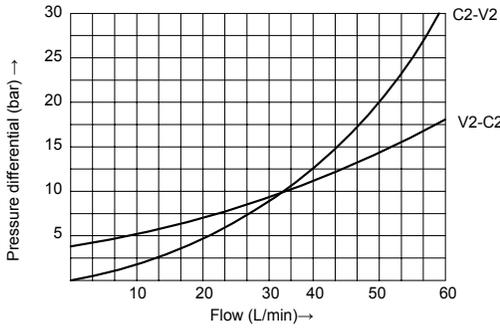
Model description

	PH12	S	15	GP	2	L1X	/	350	-	-	S	*	
Dual counterbalance													Further details in clear text
Pilot ratio 4.2:1	=S												3B= G3/8
Diameter 15	=15												4B= G1/2
Connection: pipe connection for inlet and plate connection for block	=GP												S= Steel valve body
Screw adjustment	=2												No code = NBR seals
Series L10 to L19 (L10 to L19: unchanged installation and connection dimensions)	=L1X												V = FKM seals
Note: the setting of this valve must at least 1.3 times over the load pressure!													Specially set pressure for delivery. For example: 300= Specially set to 300bar for delivery 0 = No specially set pressure for delivery
													350= Pressure up to 350bar

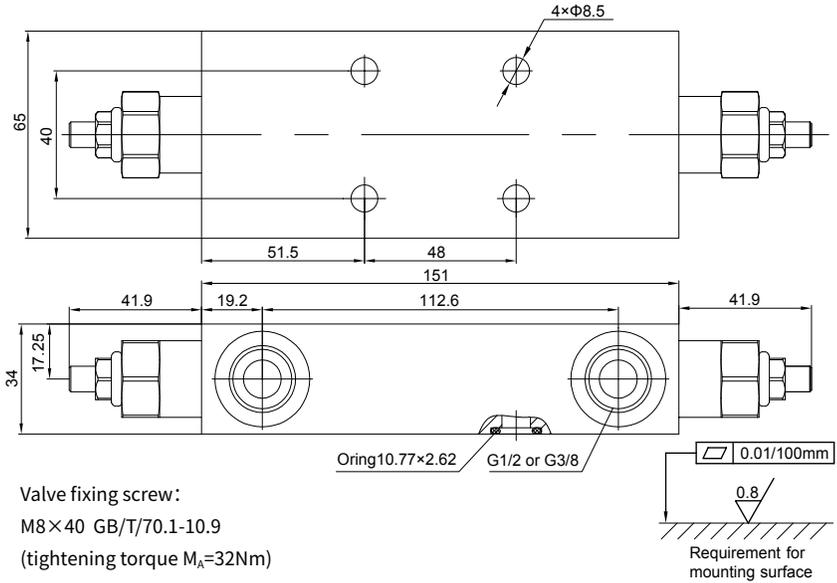
Technical data

Fluid	Mineral oil suitable for NBR and FKM seal	
	Phosphate ester for FKM seal	
Fluid temperature range	°C	-30 to +80 (NBR seal)
		-20 to +80 (FKM seal)
Viscosity range	mm ² /s	10~800
Degree of contamination	Maximum permissible degree of fluid contamination: Class 9 NAS 1638 or 20/18/15, ISO4406	
Nominal pressure	bar	350
Max.flow	L/min	60L/min
Weight	kg	4.3kg
Main valve pressure adjustment range (factory setting)	bar	150~350(350)

Characteristic curves (Measured at $t=40^{\circ}\text{C}$, using HLP46)



Unit dimensions



03

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