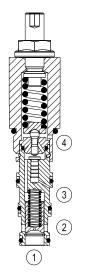


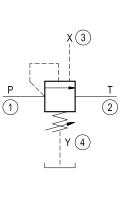
RE 18318-17/06.10 1/2 Replaces: RE 00162-02/01.06

Priority unloading pilot operated

Special cavity, 308

VMSP-78





Description

04.75.10 - X - 99 - Z

Flow is blocked from 1 to 2 until pressure increases to meet the selected valve setting, lifting the small, pilot-stage poppet from its seat. This action exhausts oil above the main-stage piston (spool type), allowing it to shift fully and unload flow from 1 through 2 with minimal pressure drop. Similarly, when remote pilot pressure at 3 exceeds the pressure setting, a secondary piston lifts the pilot-stage poppet from its seat, again exhausting fluid from 1 through 2. The spring chamber is drained to tank at 4. Any pressure at 4 will be additive to the valve setting.

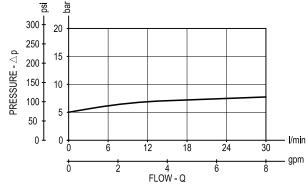
Technical data

Max. operating pressure bar (psi) port 1-3	350 (5000)		
Max. pressure admitted bar (psi) port 2	210 (3000)		
Flow range l/min. (gpm)	5-30 (1.3-8)		
Max. internal leakage (*) cm³/min. (cu.in./min.)	25 (1.5)		
Fluid temperature range °C (°F)	-30 to 100 (-22 to 212)		
Installation torque Nm (ft-lbs)	41-47 (30-35)		
Weight kg (lbs)	0.28 (0.62)		
Special cavity	308 see data sheet RE 18325-75		
Seal kit (**) code material no.			
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm ² /s (cSt)		
Filtration	Nominal value max. 10µm (NAS 8) ISO 4406 19/17/14		
Installation	No restrictions		
Other general technical data	See data sheet RE 18350-50		
(*) Measured at 200 bar (2900 psi)		

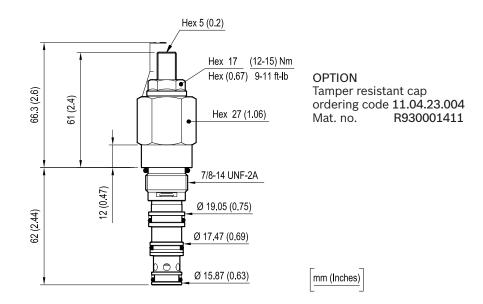
(**) Only external seals for 10 valves

Setting is performed pressurizing "X" port.

Performance



Dimensions



Ordering code

04	4.75.1	0	Х	99	Z	00) *]		
								ies 0/A to L hanged per	formances and din	nensions
Priority unloading, pilot opera	ated					v	/ersion	and options	s standard	
						Γ			SPRINGS	
Differential unload / reload = 03 Re-seat at (85 ± 2.5) % of pr	ressure se	etting	5					ess. range r (psi)	Press. increase bar/turn (psi/turn)	Std. setting bar (psi) Q=5 l/min
					= 1	0	7-105 ((100-1500)	26 (377)	70 (1000)
Special cavity, 308					= 2	20	90-210	(1300-3000)	31 (450)	120 (1750)
(old code cartridge style)					= 3	35 1	50-350	(2200-5000)	105 (1523)	200 (2900)
					No	te: S	Special	settings avai	lable. Contact facto	bry

authorized representative for ordering code

Туре	Material number	Туре	Material number
04751003991000D	R930005772		
04751003992000D	R930005779		
04751003993500C	R930005780		

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Subject to change.