

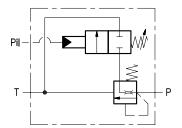
RE 18310-11/04.10

1/2

Pilot operated unloading



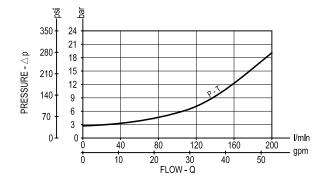
BM-N 05.93.04 - X - Y - Z



Description

This valve unloads a pump or a pressure line to tank when a pilot pressure is reached. Flow from P to T is normally blocked by the main spool; when pressure at Pil increases, and reaches the selected setting, it displaces the pilot piston and exhausts to tank the spring side of the main spool allowing it to shift and to open the flow unloading path from P to T. Back-pressure at T is additive to the unloading setting of the valve.

Performance



Technical data

Hydraulic

Operating pressure	bar (psi)	up to 210 (3000)
Max. flow	I/min (gpm)	200 (53)

General

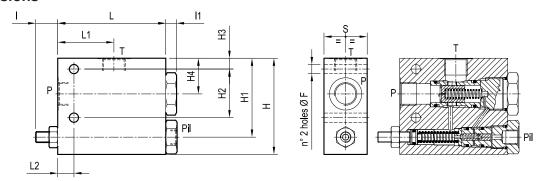
Manifold material

	enough for operating pressures g from the fatigue life expected in the ur Service Network.				
Weight		See "Dimensions"			
Fluid temperature range	°C (°F)	between -30 (-22) and +100 (212)			
Other technical data		see data sheet RE 18350-50			

Aluminium

Note: for applications outside these parameters, please consult us.

Dimensions



mm (inches)

- 1	0 58)	15 (0.59)	52 (2.05)	100 (3.94)	10 (2.15)	21 (0.83)	49 (1.93)	25 (0.98)	45 (1.77)	89 (3.5)	105 (4.13)	8.5 (0.34)	G 3/4	1.35 (2.98)
	0 58)	15 (0.59)	52 (2.05)	100 (3.94)	10 (2.15)	21 (0.83)	33 (1.3)	10 (0.39)	45 (1.77)	73 (2.87)	89 (3.5)	8.5 (0.34)	G 1/2	1.3 (2.87)
	s	L2	L1	L	l1	I	H4	Н3	H2	H1	Н	F	Υ	Weight kg (lbs)

Ordering code

Adjustments

	05.93	05.93.04		Υ	Z
Pilot operated unloading					

= 03Leakproof hex. socket screw

Port sizes	Р	Т	Pil
= 03	G 1/2	G 1/2	G 1/4
= 04	G 3/4	G 3/4	G 1/4

	SPRINGS					
	Adj. pressure	Pres. increase	Std. setting			
	range	bar/turn	Q=5 (I/min.)			
	bar (psi)	(psi/turn)	bar (psi)			
= 05	10-50	12	50			
	(145-725)	(174)	(725)			
= 10	20-100	24	100			
	(290-1450)	(348)	(1450)			
= 20	50-200	47	200			
	(725-2900)	(682)	(2900)			
= 35	100-300	83	300			
	(1450-4350)	(1204)	(4350)			

	Туре	Material number				
	059304030310000	R930002632				
	059304030320000	R930002633				
	059304030335000	R930002634				
	059304030405000	R930001961				
	059304030410000	R930001962				
	059304030420000	R930002636				
•	059304030435000	R930002637				

Туре	Material number

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Subject to change.