

3/2-Way Compressor Loading and Unloading Valves.

Normally Closed, Energized To Open, With Bottom Manual Override.

DATA SHEET
LT-500
LT-501

SPECIFICATIONS:

Sizes	: 1/4" (6 mm).
End Connections	: Standard-G-ISO-228(BSP-F). Optional-NPT.
Body Material	: SS ASTM A351 Gr.CF8/CF8M.
Body Test Pressure	: 40 Bar (Refer to table below).
Max.Wkg.Pressure	: 20 Bar (Refer to table below).
Seat Material	: For Air, water, gas - Neoprene, For Oil-PTFE.
Core Tube Nut	: St.St.304/St.St.316.
Plunger/Stopper	: St.St.430FR.
Spring	: St.St.302.
Shading Ring	: Copper Or Aluminium.
Temp.(ambient)	: 42Deg.C.
Max.Wkg.Temp.	: (-)5 to 80Deg.C.
Voltage (AC)	: 230, 110, 48, 24 V - 50/60 Hz.
(DC)	: 24, 110, 240 V.
Enclosures	: General Purpose (IP20). Weatherproof- RD-WP-67. Flameproof-RD-FLP-IIC+WP67.
Approvals	: KPLP/PESO/CE/ATEX/BIS.
Differential Pr.	: 0 to 20 bar (Refer to table below).
Coil Insulation	: Class 'H' upto 155Deg.C.
Fluids	: Air, Gas, Oil.
Manual Override	: Available from Bottom.
Sales Point	: Most Successful Compressor Loading and Unloading valve.
Application	: For compressor loading & unloading.
Mounting	: In horizontal pipeline, keeping solenoid upright and Vertical.
Note	: 1) Use of Filter in the inlet side is highly recommended. 2) Not suitable for back pressure from outlet side.



SPECIFICATION TABLE

Catalogue Number	Pipe Size	Orifice Size	Flow Factor Kv	Minimum Pressure	Maximum Operating Pressure (bar)						BTP	Material		Constr. Ref.	VA Rating	Watt Rating	Coil	Housing
					AC			DC				AC	DC		Type			
					Air/Gas	Water	Light Oil	Air/Gas	Water	Light Oil								
	Inch	mm	M ³ /hr.	bar	Air/Gas	Water	Light Oil	Air/Gas	Water	Light Oil	bar	Body	Seat		AC	DC	Type	
LT 500	1/4	1.2	0.06	0	18	16	10	18	16	10	40	CF8	N/T	93	18	12	M45.1	GP
LT 501	1/4	1.2	0.06	0	20	20	20	22	20	20	40	CF8	N/T	170	36	22	M50	GP

ELECTRICAL REFERENCE

Coil Type	Power Consumption & Watt Rating			Class of Insulation	Protection	Certification Standard
	AC	DC				
M 45.1 RD	VA Inrush	VA Holding	Watts	H	GP/WP IP-67	IS/IEC 60529-2001
M 50 RD	50	36	22	H	GP/WP IP-67	IS/IEC 60529-2001
M 45.1 FLP IIC	25	18	12	H	FLP-IIC IP-67	IS/IEC 60079-1-2014
M 50 FLP IIC	50	36	22	H		

DIMENSIONS IN (MM)

CONSTRUCTION REF. NO. 93			CONSTRUCTION REF. NO.170			Valve fitted with M45 / M50 RD WP coil - Waterproof metallic enclosure as per IS/IEC 60529-2001 IP-67		
Catalogue Number	Pipe Size	Constr. Ref.	E (RADIALLY)			F		
			SQ WP	RD WP	FLP	SQ WP	RD WP	FLP
LT 500	1/4	93	--	96	96	--	62	80
LT 501	1/4	170	--	96	96	--	68	80
			G (APPROX.)					
			SQ WP	RD WP	FLP	SQ WP	RD WP	FLP
			--	105	152			
			--	116	158			

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NORTHERN	

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