

MC²-HP Series Progressive Divider Valves

Features & Benefits

- ◆ **Re-engineered piston design:**
The MC²-HP valve delivers improved output accuracy at differential pressures, high back pressures and low flow rates
- ◆ **Precision machined piston-to-bore tolerance fit reduces internal by-pass:**
Minimized internal leakage ensures the MC²-HP valve will quickly stall, alerting maintenance personnel of a lube fault
- ◆ **Bolt-on replacement for MC and MC² series valves:** *Quick, easy valve replacement reduces overall maintenance costs*
- ◆ **Standard SAE proximity switch thread:**
Allows the use of industry-standard monitoring devices for convenience and reduced cost
- ◆ **Black chromate plated valve blocks and base plates:** *Provides added corrosion protection for offshore and other harsh environments*



Superior Performance that Meets the Extreme Operating Conditions of the Gas Compression Industry

MC²-HP Series Progressive Divider Valves

Natural gas compressors operate at higher speeds and pressures than ever before, and profitability depends on machines running continuously with minimal downtime. Lincoln's re-engineered progressive divider valve can revolutionize your operation because it delivers oil reliably and consistently at higher back-pressures and lower lubricant flow rates.

The improved piston design of the new MC²-HP incorporates a longer land area that substantially minimizes internal leakage, resulting in reliable and accurate oil delivery to all compressor cylinder and rod packing points. In fact, the MC²-HP design delivers the most consistent and repeatable output in the industry. In a precise, carefully monitored yearlong study of the new MC²-HP valve versus the industry's leading competitors, the new Lincoln design proved to be the most dependable output on the market today.

Because black chromate plating is three times more effective than nickel plating, MC²-HP is the solution for offshore service and other areas where corrosion can be a problem.

Markets

- Natural Gas Transmission
- Natural Gas Processing
- Oil & Gas Production
- Petrochemical & Refining

Proximity Switch

A magnetic reed switch that attaches to divider valve for use in hazardous environments.



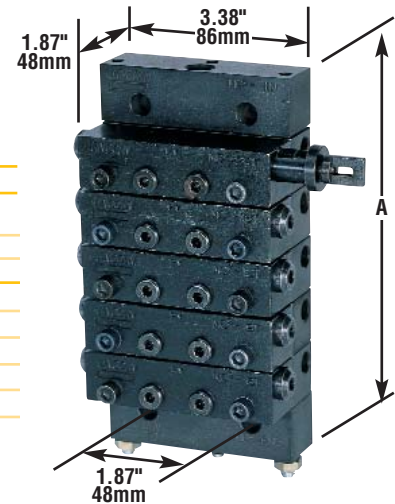
Model	Block Style	Switch Type	Switch Capacity	SAE Connection Thread
87617	MC ² -HP MC	SPST	10 Watts 200 VDC 0.5 Amp	7/16"-20 UNF

CSA Certification: Class I, Group A, B, C & D; Class II, Group E, F & G; Hazardous Locations

Specifications

Maximum Lube Points/Assembly	16
Maximum Operating Pressure	7500 psig / 512 bar
Lube Inlet	1/4" NPT(F)
Lube Outlet	1/8" NPSF(F)
Performance Indicator Port*	5/16" - 24 UNF
Material of Construction	Black chromate plated steel
Seal Construction	Viton

* Can also be used as an alternate outlet port.



MC²-HP Baseplate and Tie Rod Specifications:

Maximum Number of Outlets	Number of Divider Valves	Inlet Section	End Section	Tie Rod (Qty)	Intermediate Section (Qty)	Dimensions	
						in.	mm
6	3	87955	87956	236640 (3)	87957 (3)	5.09	129
8	4			236641 (3)	87957 (4)	6.00	152
10	5			236642 (3)	87957 (5)	6.91	176
12	6			236643 (3)	87957 (6)	7.81	198
14	7			236644 (3)	87957 (7)	8.72	221
16	8			236645 (3)	87957 (8)	9.63	245

Note: Use 68645 closure plug (1/8" NPT) to plug non-working outlets.

MC²-HP Divider Valve Specifications:

Single Outlet					Twin Outlet				
Designation	Model Number		Lubricant Output per Outlet		Designation	Model Number		Lubricant Output per Outlet	
	Standard Model	W/Right Side Cycle Indicator	cu. in.	cc		Standard	W/Right Side Cycle Indicator	cu. in.	cc
06S	876061	—	.012	.196	06T	876062	—	.006	.098
09S	876091	—	.018	.295	09T	876092	—	.009	.147
12S	876121	876123	.024	.393	12T	876122	876124	.012	.197
18S	876181	876183	.036	.590	18T	876182	876184	.018	.295
24S	876241	876243	.048	.787	24T	876242	876244	.024	.393

Model 874000 MC Bypass Block Optional by-pass block permits addition or deletion of lubrication points without disturbing existing installations. Includes mounting screws and Viton gasket plate.

See **Modular Lube catalog** for MC²-HP accessories.



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