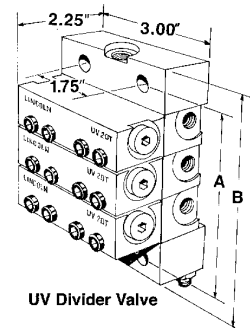
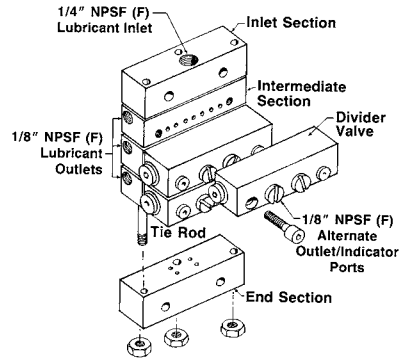


# Modular Lube<sup>®</sup> Lubrication Systems

## Divider Valves



### UV Divider Valves



UV Divider Valves are designed to meter oil or grease in automatic or manual systems installed on all types of industrial machinery. Segmented baseplate assembly contains all inlet and outlet connections. Alternate outlet ports are located on the face of the divider valve which may be used for installation of performance indicators.

### Specifications:

Max. Lube Points/Assembly	Max. Oper. press. psig / bar	Inlet Section		Intermediate Section		Performance Indicator Port*	Material of Construction	Seal Construction
		Model	Thread	Model	Thread			
16	3500 / 240	87918	1/4" NPSF(F)	87919	1/8" NPSF(F)	1/8" NPSF(F)	Yellow chromate plated steel	Flourelastomer

\* Can also be used as an alternate outlet port.

### UV Baseplate and Tie Rod Specifications:

Max. No. of Outlets	No. of Divider Valves	End Section	Tie Rod*	Dimensions			
				A in.	A mm	B in.	B mm
6	3	87920	250290	3.58	90.9	4.52	114.8
8	4		250291	4.5	114.3	5.44	138.2
10	5		250292	5.42	137.7	6.36	161.5
12	6		250293	6.34	161.0	7.28	184.9
14	7		250294	7.27	184.6	8.20	208.3
16	8		250295	8.19	208.0	9.13	231.9

\* Each tie rod model number includes three tie rods and three fastening nuts.  
Note: Use 68645 closure plug (1/8" NPT) to plug non-working outlets.

### UV Divider Valve Specifications:

Designation	Single Outlet			
	Model Number		Lubricant Output per Outlet	
	Standard Model	W/Right Side Cycle Indicator	cu. in.	cc
05S	882051	—	.010	.164
10S	882101	—	.020	.328
15S	882151	—	.030	.492
20S	882201	882203	.040	.656
25S	882251	882253	.050	.820
30S	882301	882303	.060	.983
35S	882351	882353	.070	1.147
40S	882401	882403	.080	1.311

Designation	Twin Outlet			
	Model Number		Lubricant output per Outlet	
	Standard Model	W/Right Side Cycle Indicator	cu. in.	cc
05T	882052	—	.005	.082
10T	882102	—	.010	.164
15T	882152	—	.015	.246
20T	882202	882204	.020	.328
25T	882252	882254	.025	.410
30T	882302	882304	.030	.492
35T	882352	882354	.035	.574
40T	882402	882404	.040	.656

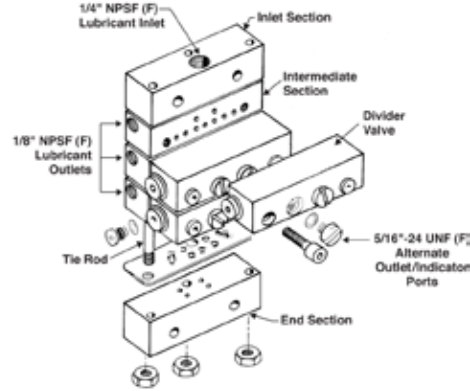
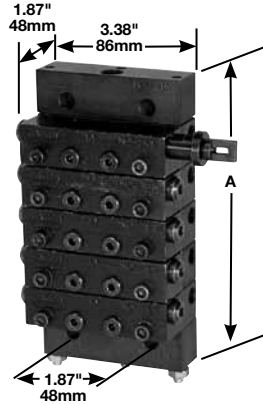
**Model 882000 UV Bypass Block** Optional by-pass block permits addition or deletion of lubrication points without disturbing existing installations. Includes mounting screws and Buna-N seals.

# Modular Lube® Lubrication Systems

## Divider Valves



### MC<sup>2</sup>-HP Divider Valves



MC<sup>2</sup>-HP High Pressure Divider Valves are designed to dispense either petroleum-based or synthetic lubricants in gas engine and compressor lubrication systems.

Segmented baseplate assembly contains all inlet and outlet connections. Alternate outlet ports are located on the face of the divider valve which may be used for installation of performance indicators.

### Specifications:

Maximum Lube Points/ Assembly	Maximum Operating Press. psig / bar	Lube Inlet	Lube Outlet	Performance Indicator Port	Material of Construction	Seal Construction
16	7500 / 512	¼" NPTF(F)	⅜" NPSF(F)	⅝" - 24 UNF	Black chromate plated steel	Flouroelastomer

\* Can also be used as an alternate outlet port.

### MC<sup>2</sup>-HP Baseplate and Tie Rod Specifications:

Maximum Number of Outlets	Number of Divider Valves	Inlet Section	End Section	Tie Rod* (Qty Req'd)	Intermediate Section (Qty Req'd)	Dimensions	
						A	
						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

\* Each tie rod model number includes three tie rods.

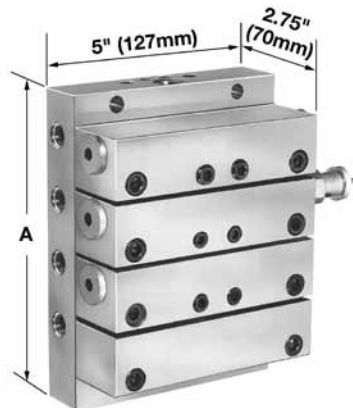
Note: Use 68645 closure plug (⅜" NPT) to plug non-working outlets. Each 87956 end section contains three tie rod nuts

### MC<sup>2</sup>-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<sup>2</sup>-HP Bypass Block** Optional by-pass block permits addition or deletion of lubrication points without disturbing existing installations. Includes mounting screws and flouroelastomer gasket plate.

### XL Divider Valves



XL Divider Valves are designed to meter large volumes of oil or grease in manual or automatic lubrication systems for all types of industrial machinery. These units can be used in complete XL systems or integrated as a primary divider valve assembly in systems using UV divider valves as secondaries.

Solid one piece baseplate contains all inlet and outlet connections. Convenient front located ports on the divider valve are provided for installation of any desired performance indicators.

### Specifications:

Maximum Lube Points/ Assembly	Maximum Operating Press. psig / bar	Lube Inlet	Lube Outlet	Performance Indicator Port*	Material of Construction	Seal Construction
12	2500 / 172	3/8" NPTF(F)	1/4" NPTF(F)	1/8" NPTF(F)	Zinc plated steel	Buna-N

\* Can also be used as an alternate outlet port.

### XL Baseplate Specifications:

Model No.	Maximum Number of Outlets	No. of Divider Valves*	Dimensions	
			A	
			in.	mm
87030-3	6	3	5.34	136
87030-4	8	4	6.69	170
87030-6	12	6	9.38	238

\* Use No.67359 closure plug (1/4" NPT) to plug non-working outlets.

### XL Divider Valve Specifications:

Single Outlet				
Designation	Standard Model	W/Right Side Cycle Indicator	Total Lubricant Output	
			cu. in.	cc
30S	87026-03S	-	.060	.983
50S	87026-05S	-	.100	1.64
80S	87026-08S	-	.160	2.62
100S	87026-10S	-	.200	3.28
120S	87026-12S	-	.240	3.93
150S	87026-15S	-	.300	4.92

Twin Outlet				
Designation	Standard Model	W/Right Side Cycle Indicator	Total Lubricant Output	
			cu. in.	cc
30T	87026-03T	-	.030	.492
50T	87026-05T	-	.050	.820
80T	87026-08T	-	.080	1.31
100T	87026-10T	-	.100	1.64
120T	87026-12T	-	.120	1.97
150T	87026-15T	-	.150	2.46

**Model 87028 XL Bypass Block** Optional by-pass block permits addition or deletion of lubrication points without disturbing existing installations. Includes mounting screws and fluoroelastomer o-ring seals.



**UV, XL Divider Valve Accessories**

**Atmospheric Safety Relief Indicators**

High pressure ruptures disc, pressure and lubricant vents to the atmosphere.

UV, XL Model	Pressure Rating		Disc Color	Replacement Disc Model (10/pkg)	Connector
	psig	bar			
87934	1450	100	Yellow	69813-10	1/8" NPTF(M)
87935	1750	120	Red	69813-12	
87936	3250	224	Purple	250312	
87937	3700	255	Yel/Nat	250313	



**Reset-Type Performance Indicators**

High pressure extends indicator. Reset the indicator after pressure is relieved.

UV, XL Model	Pressure Rating		Connector
	psig	bar	
87938	500	34	1/8" NPTF(M)
87939	1000	69	
87940	1500	103	
87941	2000	138	
87942	3000	207	

**Note:** O-rings are fluoroelastomer



**Adapter**

Adapter connects UV, XL style performance indicators to MC<sup>2</sup> style divider valves and old style ML. Includes fluoroelastomer O-ring.

Model	Thread
87915	5/16" -24 Male x 1/8" NPTF(F)

**MC<sup>2</sup> Divider Valve Accessories**



**Pin Type Performance Indicators**

High pressure ruptures internal disc and extends indicator.

MC Model	Pressure Rating		Disc Color	Replacement Disc Model (10/pkg)	Connector
	psig	bar			
87895	1450	109	Yellow	69813-10	5/16"-24 Male
87896	1750	120	Red	69813-12	
87897	2050	141	Orange	69813-14	

**Note:** O-rings are fluoroelastomer



**Reset-Type Performance Indicators**

High pressure extends indicator. Reset the indicator after pressure is relieved.

Model	Pressure Rating		Spring/Tag Color	Connector
	psig	bar		
87885	1000	69	Green	5/16"-24 Male
87886	1500	103	Yellow	
87887	2000	138	Red	
87888	2500	172	Orange	
87889	3000	207	Blue	

**Note:** O-rings are fluoroelastomer

### Cycle Switch for Natural Gas Compressors

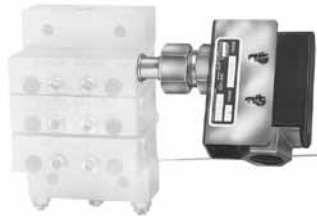
Designed to work with Lincoln MC, MC<sup>2</sup> HP valves as well as with other brands. Simple installation reduces labor costs. Features captured magnet assembly and hall effect switch.

#### Cycle Switch with Shutdown Feature

- Lower-cost, stand-alone solution
- Shut down protection for “no flow” conditions is factory set at two minutes
- Operates from 5-30 VDC for increased reliability



Part No.	Description	Power Req.	Maximum Working Pressure	Temperature Range	Material	EX Rating
249123	Hall Effect/Cycle Switch with Shutdown for Lincoln MC <sup>2</sup> -HP series block	5 to 30 VDC, 100 UA max.	7500 psi	-40°C to 85°C (-40°F to 185°F)	Aluminum Housing, Stainless Steel Magnet Assembly	Approval pending for Class I, Groups A, B, C & D, Div. 1 & 2 CE, II 3G Ex Na IIA
249124	Hall Effect/Cycle Switch with Shutdown for Lincoln UV and Graco Lubriquip®-Manzel MHP series style block					



### Cycle Switch

Cycle Switch attaches to valve with cycle indicator pin, sends electrical signal to controller.



Model	Switch Type	Switch Capacity	Conduit Connector
87070	SPDT	15 Amps @ 125/250 VAC 0.5 Amps @ 125 VDC	½" - 14 NPSM



### Cycle Counter

Cycle Counter attaches to valve with cycle indicator pin, counts and records cycles.



Model	Maximum Counts
87828	99,999

### Proximity Switch

Cycle Switch for Natural Gas Compressors



Model	Block Style	Switch Type	Switch Capacity	CSA Certification	Conduit Connector
85651	UV	SPST	10 Watts 200 VDC 0.5 Amp	Class I, Group A, B, C & D / Class II, Group E, F & G Hazardous Locations	½" NPT(F)
87617*	MC				
87618	XL Size 03 thru 12				

\*Can be used with Model 87630 Datalogger Lubrication Monitor

### External Singling/Cross Port Kit

External Cross Port Kit connects alternate outlet ports to combine the volume of two divider valves through a single outlet.

Model	Block Type	Application/Usage
87905	MC	Single and Crossport
87823	XL	Crossport
87824	XL	Singling
87825	UV	Crossport

### Balancing Valve

Model 87865 Balancing Valve is used when back pressure differential between divider valve outlets exceeds 1000 psi (69 bar).

Model	Pressure Adjustment				Inlet/Outlet	Seal Material
	Min		Max			
	psig	bar	psig	bar		
87865	250	17	6000	414	½" NPTF(F)	Flouroelastomer



### Mounting Bracket

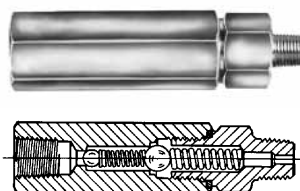
#### Model 250286 (UV) and Model 360675 (MC<sup>2</sup>) Mounting Brackets—

Mount divider valve assembly off the face of vertical surfaces. Use two brackets per divider valve assembly.

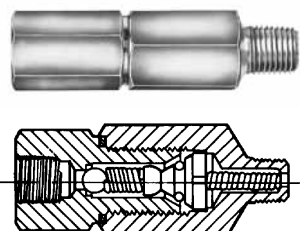
### Check Valves

Check valves maintain prime in feed lines and check back pressure from pressurized lubrication points.

### Double Ball, Straight

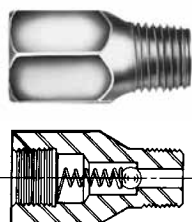


Model	Pressure		Inlet	Outlet	Hex Material	Hex Inlet-in.	Hex Outlet-in.	Length in./mm
	Max	Opening						
880511	8000 psig 552 bar	145 psig 10 bar	1/4" NPTF(F)	1/4" NPTF(M)	Carbon Steel	13/16"	3/4"	3.72/94.5
880518-9					316 S.S.			3.75/95.3
880517			Carbon Steel	3.31 / 84.1				
880519-9			316 S.S.					
880015-9	5000 psig 345 bar	80 psig 6 bar	9/16-18 UNF (M)	7/16-20 UNF (M)	Stainless Steel	3/4"		2.75/70



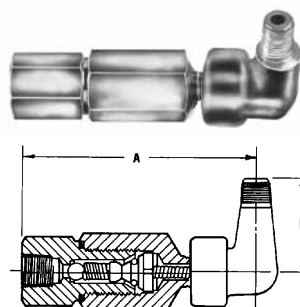
### Ball & Poppet, Straight

Model	Pressure		Inlet	Outlet	Hex Material	Hex Inlet-in.	Hex Outlet-in.	Length in./mm
	Max	Opening						
880513	2000 psig 138 bar	50 psig 3.5 bar	1/8" NPTF(F)	1/8" NPTF(M)	Carbon Steel	3/4"	13/16"	2.75 70.0
880514			1/4" NPTF(F)	1/4" NPTF(M)				3.06 77.7



### Ball Type, Straight

Model	Pressure		Inlet	Outlet	Hex Material	Hex in.	Length in./mm
	Max	Opening					
87817	7500 psig	20-70 psig	1/4" NPTF(M)	1/4" NPSF(F)	Carbon Steel	11/16"	1.38/35.1
87818	517 bar	1.5-5 bar	1/8" NPTF(M)	1/8" NPTF(F)		9/16"	1.19/30.2
130021-3	6000 psig 414 bar	31-70 psig 2-5 bar	1/8" NPTF(F)	1/8" NPTF(M)		1/2"	1.06/27.0



### Ball & Poppet, 90°

Model	Pressure		Inlet	Outlet	Hex Material	Hex Inlet-in.	Hex Outlet-in.	Dimensions in. / mm	
	Max	Opening						A	B
880515	2000 psig 138 bar	50 psig 3.5 bar	1/8" NPTF(F)	1/8" NPTF(M)	Carbon Steel	3/4"	13/16"	3.38 86	1.25 31.8