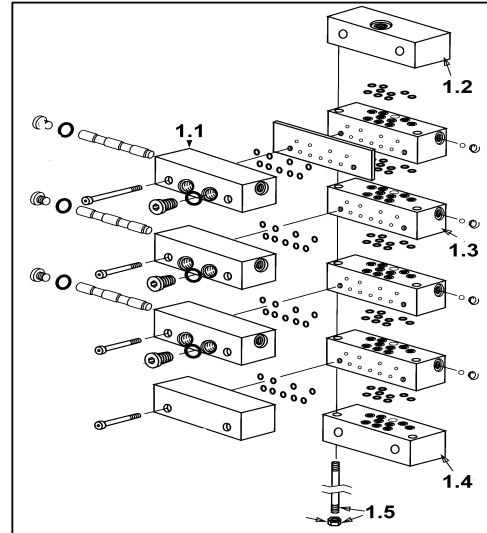


# **TRABON CENTRALISED LUBRICATION SYSTEMS**

## **SECTION 1. MSP AND MH MODULAR PROGRESSIVE DIVIDER VALVES**



### **MSP VALVE SPECIFICATIONS**

Standard Material:	Zinc Plated Steel
Maximum Pressure for MSP:	240 bar (3500 psi)
Lubricant Type:	Oil or Grease to NLGI 2
Minimum and Maximum Displacement Per Outlet:	0.083cm <sup>3</sup> to 1.311cm <sup>3</sup>
Maximum Operating Temperature (with Buna-N O rings):	93°C (200°F)
Inlet:	1/4" NPT
Outlets:	1/8" NPT

### **MSP 3,500 psi VALVE "QUICK QUOTE" PRICES FOR FULLY ASSEMBLED AND TESTED VALVES**

(A \$10.00 charge is included for assembly and testing before despatch.)

MSP3-2	2 outlets	(3 section)	MSP	1	\$568.40
MSP3-3	3 outlets	(3 section)	MSP	1	\$512.30
MSP3-4	4 outlets	(3 section)	MSP	1	\$512.30
MSP3-5	5 outlets	(3 section)	MSP	1	\$512.30
MSP3-6	6 outlets	(3 section)	MSP	1	\$512.30
MSP4-7	7 outlets	(4 section)	MSP	1	\$637.60
MSP4-8	8 outlets	(4 section)	MSP	1	\$637.60
MSP5-9	9 outlets	(5 section)	MSP	1	\$762.90
MSP5-10	10 outlets	(5 section)	MSP	1	\$762.90
MSP6-11	11 outlets	(6 section)	MSP	1	\$892.30
MSP6-12	12 outlets	(6 section)	MSP	1	\$892.30
MSP7-13	13 outlets	(7 section)	MSP	1	\$1,019.60
MSP7-14	14 outlets	(7 section)	MSP	1	\$1,019.60
MSP8-15	15 outlets	(8 section)	MSP	1	\$1,147.30
MSP8-16	16 outlets	(8 section)	MSP	1	\$1,147.30
MSP9-17	17 outlets	(9 section)	MSP	1	\$1,323.70
MSP9-18	18 outlets	(9 section)	MSP	1	\$1,323.70
MSP10-19	19 outlets	(10 section)	MSP	1	\$1,469.90
MSP10-20	20 outlets	(10 section)	MSP	1	\$1,469.90

### **OPTIONS:**

1/ With cycle indicator pin on right hand side (add)	\$90.60
2/ With micro-switch and bracket, supplied loose (add to option 1)	\$283.90
3/ With automatic relief indicators, supplied loose (add, per point)	\$41.20
4/ With reset indicator with memory, supplied loose (add per point)	\$35.40

## MH VALVE SPECIFICATIONS

Standard Material:	Zinc Plated Steel
Maximum Pressure for MH:	500 bar (7500 psi)
Lubricant Type:	Oil or Grease to NLGI 2
Minimum and Maximum Displacement Per Outlet:	0.083cm <sup>3</sup> to 1.311cm <sup>3</sup> .
Maximum Operating Temperature (with Buna-N O rings):	93°C (200°F)
Inlet:	1/4" NPT
Outlets:	1/8" NPT

## MH 7,500 psi VALVE "QUICK QUOTE" PRICES FOR FULLY ASSEMBLED AND TESTED VALVES

(A \$10.00 charge is included for assembly and testing before despatch.)

MH3-2	2 outlets	(3 section)	MH	1	\$892.00
MH3-3	3 outlets	(3 section)	MH	1	\$835.90
MH3-4	4 outlets	(3 section)	MH	1	\$835.90
MH3-5	5 outlets	(3 section)	MH	1	\$835.90
MH3-6	6 outlets	(3 section)	MH	1	\$835.90
MH4-7	7 outlets	(4 section)	MH	1	\$1,069.00
MH4-8	8 outlets	(4 section)	MH	1	\$1,069.00
MH5-9	9 outlets	(5 section)	MH	1	\$1,302.20
MH5-10	10 outlets	(5 section)	MH	1	\$1,302.20
MH6-11	11 outlets	(6 section)	MH	1	\$1,539.40
MH6-12	12 outlets	(6 section)	MH	1	\$1,539.40
MH7-13	13 outlets	(7 section)	MH	1	\$1,774.60
MH7-14	14 outlets	(7 section)	MH	1	\$1,774.60
MH8-15	15 outlets	(8 section)	MH	1	\$2,010.20
MH8-16	16 outlets	(8 section)	MH	1	\$2,010.20
MH9-17	17 outlets	(9 section)	MH	1	\$2,248.30
MH9-18	18 outlets	(9 section)	MH	1	\$2,248.30
MH10-19	19 outlets	(10 section)	MH	1	\$2,456.20
MH10-20	20 outlets	(10 section)	MH	1	\$2,456.20

## OPTIONS:

1/ With cycle indicator pin on right hand side (add)	\$147.80
2/ With micro-switch and bracket, supplied loose (add to option 1)	\$283.90
3/ With automatic relief indicators, supplied loose (add, per point)	\$41.20
4/ With reset indicator with memory, supplied loose (add per point)	\$35.40

**1.1 MSP VALVE SECTIONS (WITH STANDARD SEALS)**

106-100-175	5T	Valve Section	MSP	1	\$79.20
106-100-015	5S	Valve Section	MSP	1	\$79.20
106-100-185	10T	Valve Section	MSP	1	\$79.20
106-100-025	10S	Valve Section	MSP	1	\$79.20
106-100-195	15T	Valve Section	MSP	1	\$79.20
106-100-035	15S	Valve Section	MSP	1	\$79.20
106-100-205	20T	Valve Section	MSP	1	\$79.20
106-100-045	20S	Valve Section	MSP	1	\$79.20
106-100-215	25T	Valve Section	MSP	1	\$79.20
106-100-055	25S	Valve Section	MSP	1	\$79.20
106-100-225	30T	Valve Section	MSP	1	\$79.20
106-100-065	30S	Valve Section	MSP	1	\$79.20
106-100-235	35T	Valve Section	MSP	1	\$79.20
106-100-075	35S	Valve Section	MSP	1	\$79.20
106-100-245	40T	Valve Section	MSP	1	\$79.20
106-100-085	40S	Valve Section	MSP	1	\$79.20
106-000-010	By-Pass Section		MSP	1	\$79.20

**1.2-1.4 INLETS, INTERMEDIATE BASE AND END SECTIONS**

527-001-800	inlet section (NPT)	MSP	1	\$48.90
527-000-311	intermediate base section (NPT)	MSP	1	\$46.10
527-001-900	end section	MSP	1	\$48.90

**1.5 TIE ROD AND NUT ASSEMBLIES (THREE REQUIRED PER BLOCK)**

527-001-930	3 - section manifold assembly	MSP	1	\$9.10
527-001-940	4 - section manifold assembly	MSP	1	\$9.10
527-001-950	5 - section manifold assembly	MSP	1	\$9.10
527-001-960	6 - section manifold assembly	MSP	1	\$10.40
527-001-970	7 - section manifold assembly	MSP	1	\$11.10
527-001-980	8 - section manifold assembly	MSP	1	\$11.90
527-001-990	9 - section manifold assembly	MSP	1	\$28.90
527-002-110	10 - section manifold assembly	MSP	1	\$35.80

**1.6 MSP VALVE SECTIONS WITH RIGHT HAND CYCLE INDICATOR PIN**

106-100-935	20TB	Valve Section	MSP	1	\$169.80
106-100-735	20SB	Valve Section	MSP	1	\$169.80
106-100-945	25TB	Valve Section	MSP	1	\$169.80
106-100-745	25SB	Valve Section	MSP	1	\$169.80
106-100-955	30TB	Valve Section	MSP	1	\$169.80
106-100-755	30SB	Valve Section	MSP	1	\$169.80
106-100-965	35TB	Valve Section	MSP	1	\$169.80
106-100-765	35SB	Valve Section	MSP	1	\$169.80
106-100-975	40TB	Valve Section	MSP	1	\$169.80
106-100-775	40SB	Valve Section	MSP	1	\$169.80

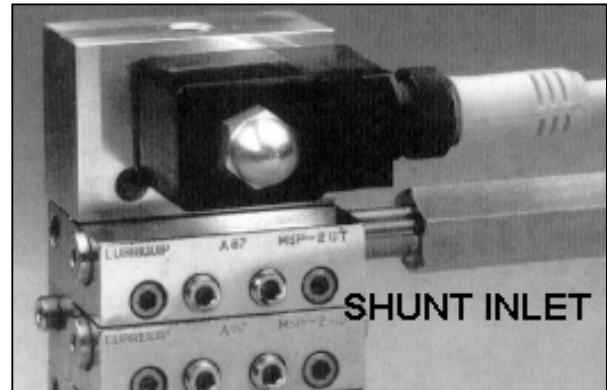
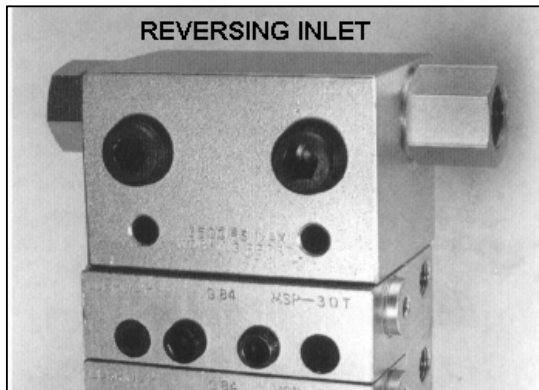
### 1.7 MH VALVE SECTIONS (WITH STANDARD SEALS)

106-000-085	6T	Valve Section	MH	1	\$187.00
106-000-025	6S	Valve Section	MH	1	\$187.00
106-000-095	9T	Valve Section	MH	1	\$187.00
106-000-035	9S	Valve Section	MH	1	\$187.00
106-000-105	12T	Valve Section	MH	1	\$187.00
106-000-045	12S	Valve Section	MH	1	\$187.00
106-000-115	18T	Valve Section	MH	1	\$187.00
106-000-055	18S	Valve Section	MH	1	\$187.00
106-000-125	24T	Valve Section	MH	1	\$187.00
106-000-065	24S	Valve Section	MH	1	\$187.00
106-000-135	30T	Valve Section	MH	1	\$187.00
106-000-075	30S	Valve Section	MH	1	\$187.00
106-000-010	By-Pass Section		MH	1	\$79.20

### 1.8 MH VALVE SECTIONS WITH RIGHT HAND CYCLE INDICATOR PIN

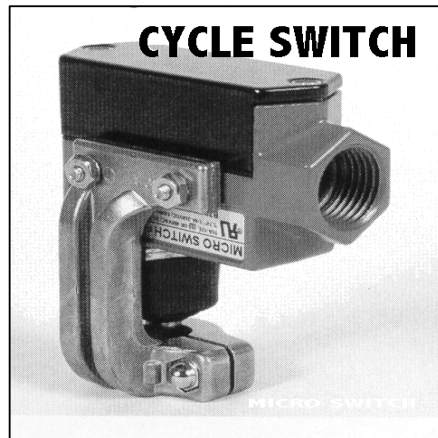
106-000-235	18T	Valve Section	MH	1	\$334.90
106-000-205	18S	Valve Section	MH	1	\$334.90
106-000-245	24T	Valve Section	MH	1	\$334.90
106-000-215	24S	Valve Section	MH	1	\$334.90
106-000-255	30T	Valve Section	MH	1	\$334.90
106-000-225	30S	Valve Section	MH	1	\$334.90

### 1.9 MSP SPECIAL PURPOSE INLETS (NPT)



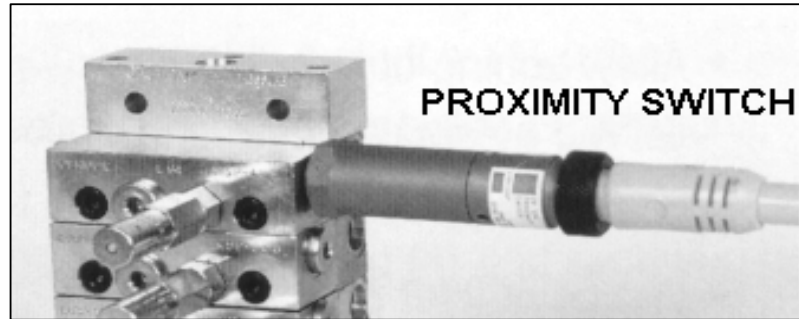
527-002-740	Reversing inlet w/side connections (menu rv)	MSP	1	\$892.90
527-003-240	Shunt inlet-hirschman connector on LH side (NC) 115v 60hz	MSP	1	\$918.60
527-004-310	Shunt inlet-hirschman connector on LH side (NC) 110v 50hz	MSP	1	\$932.50

## 1.10 MSP CYCLE INDICATORS



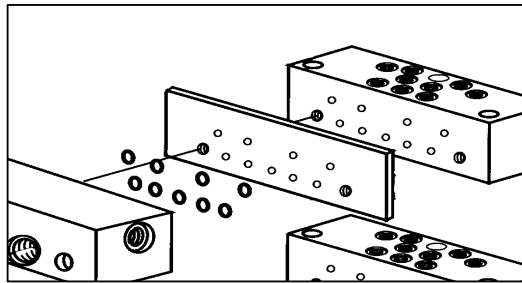
509-932-521	no weep cycle indicator (NPT)	MSP	1	\$112.10
510-599-000	micro switch and bracket assembly (SPDT)	MSP	1	\$283.90

### 1.11 MSP PROXIMITY SWITCHES



527-006-060	field sensitive mech. Explosion proof AC or DC. Incl cable	MSP	1	\$918.80
527-003-251	field sensitive magnetic W/3 pin B.H. gasket (115VAC)	MSP	1	\$1,509.30

### 1.12 SINGLING PLATE (STANDARD SEALS)



527-005-350	singling plate	MSP	1	\$56.10
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### 1.13 CROSSPORT PLATES

527-005-320	crossport right	MSP	1	\$56.10
527-005-330	crossport left	MSP	1	\$56.10
527-005-340	crossport both	MSP	1	\$56.10

### 1.14 SIDE MOUNTING BRACKET ASSEMBLY

527-002-040	3 & 4 section manifold	MSP	1	\$74.30
527-002-050	5 & 6 section manifold	MSP	1	\$74.30
527-002-060	7 & 8 section manifold	MSP	1	\$74.30
527-002-260 KIT	MSP Mounting Bars with S/Steel Bolts	MSP	1 Set	\$25.90

### 1.15 UNIVERSAL COUNTER

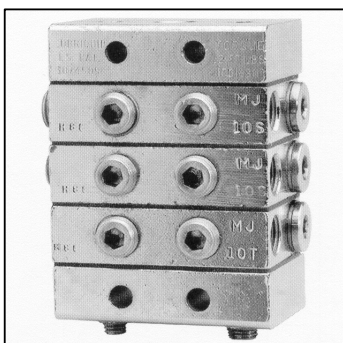


527-002-410		MSP	1	\$410.10
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### 1.16 MSP SPARE PARTS

422-010-060	standard O-ring (Buna)	MSP	1	\$1.30
527-000-810	high temp O-ring (70 duro Viton)	MSP	1	\$10.50
527-000-840	high pressure O-ring (90 duro Viton)	MSP	1	\$2.10
410-440-010	Nut Tie Rod MJ & MSP	MSP	1	\$2.60
419-140-070	valve section mounting screw	MSP	1	\$2.80

## SECTION 2. MJ PROGRESSIVE DIVIDER VALVES



### SPECIFICATIONS

Standard Material:	Zinc Plated Steel
Maximum Pressure:	140 bar (2000 psi)
Lubricant Type:	Oil or Grease to NLGI 1
Minimum and Maximum Displacement Per Outlet:	0.081cm <sup>3</sup> to 0.491cm <sup>3</sup> .
Maximum Operating Temperature (with Buna-N O rings):	93°C (200°F)
Inlet:	1/8" NPT
Outlets:	1/8" NPT

### "QUICK QUOTE" VALVE PRICES FOR FULLY ASSEMBLED AND TESTED BLOCKS

(A \$10.00 charge is included for assembly and testing before despatch.)

MJ3-2	2 outlets	(3 section)	MJ	1	\$473.00
MJ3-3	3 outlets	(3 section)	MJ	1	\$422.70
MJ3-4	4 outlets	(3 section)	MJ	1	\$422.70
MJ3-5	5 outlets	(3 section)	MJ	1	\$422.70
MJ3-6	6 outlets	(3 section)	MJ	1	\$422.70
MJ4-7	7 outlets	(4 section)	MJ	1	\$526.30
MJ4-8	8 outlets	(4 section)	MJ	1	\$526.30
MJ5-9	9 outlets	(5 section)	MJ	1	\$630.10
MJ5-10	10 outlets	(5 section)	MJ	1	\$630.10
MJ6-11	11 outlets	(6 section)	MJ	1	\$732.60
MJ6-12	12 outlets	(6 section)	MJ	1	\$732.60
MJ7-13	13 outlets	(7 section)	MJ	1	\$840.40
MJ7-14	14 outlets	(7 section)	MJ	1	\$840.40
MJ8-15	15 outlets	(8 section)	MJ	1	\$944.00
MJ8-16	16 outlets	(8 section)	MJ	1	\$944.00

### OPTIONS:

1/ With cycle indicator pin on right hand side (add)	\$86.40
2/ With micro-switch and bracket, supplied loose (add to option 1)	\$283.90
3/ With automatic relief indicators, supplied loose (add, per point)	\$41.20
4/ With reset indicator with memory, supplied loose (add per point)	\$35.40



## 2.2 MJ VALVE SECTIONS

001-005-002	5T	Valve Section	MJ	1	\$102.30
001-005-001	5S	Valve Section	MJ	1	\$102.30
001-010-002	10T	Valve Section	MJ	1	\$102.30
001-010-001	10S	Valve Section	MJ	1	\$102.30
001-015-002	15T	Valve Section	MJ	1	\$102.30
001-015-001	15S	Valve Section	MJ	1	\$102.30

includes gasket

## 2.3 MJ INLETS AND ENDS

510-992-002	inlet section	MJ	1	\$38.40
510-994-002	end section	MJ	1	\$38.40

## 2.4 MJ VALVE SECTIONS WITH RIGHT HAND CYCLE INDICATOR PIN

001-010-602	10TB	Valve Section	MJ	1	\$188.60
001-010-601	10SB	Valve Section	MJ	1	\$188.60
001-015-602	15TB	Valve Section	MJ	1	\$188.60
001-015-601	15SB	Valve Section	MJ	1	\$188.60

## 2.5 MJ TIE RODS AND NUTS

510-999-030	3 - section tie rod	MJ	1	\$9.30
510-999-040	4 - section tie rod	MJ	1	\$9.70
510-999-050	5 - section tie rod	MJ	1	\$10.20
510-999-060	6 - section tie rod	MJ	1	\$10.40
510-999-070	7 - section tie rod	MJ	1	\$12.20
510-999-080	8 - section tie rod	MJ	1	\$12.70

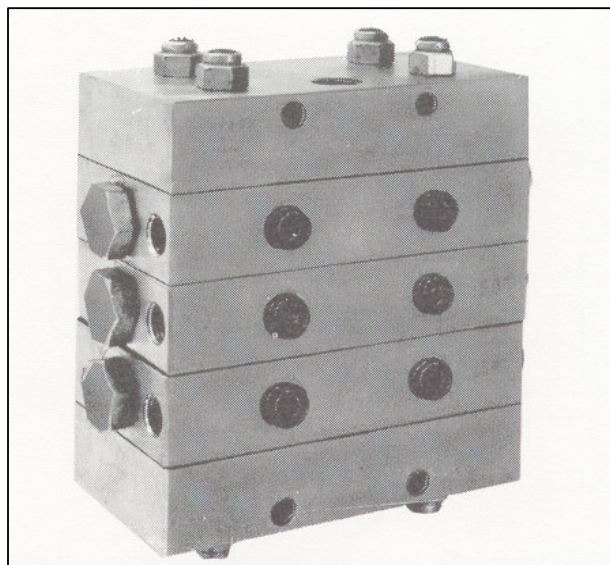
## 2.6 MJ SPARE PARTS

410-440-010	tie rod nuts	MJ	1	\$2.60
510-998-002	gaskets	MJ	1	\$7.80

## 2.7 MJ ACCESSORIES

189-000-040	cross port bar asby	MJ	1	\$34.90
189-000-050	singling bar asby	MJ	1	\$50.30
510-599-000	micro switch and bracket assembly (SPDT)	MJ	1	\$283.90

### SECTION 3. MX PROGRESSIVE DIVIDER VALVES



#### SPECIFICATIONS

Standard Material:	Zinc Plated Steel
Maximum Pressure:	206 bar (3000 psi)
Lubricant Type:	Oil or Grease to NLGI 2
Minimum and Maximum Displacement Per Outlet:	0.409cm <sup>3</sup> to 4.917cm <sup>3</sup> .
Maximum Operating Temperature (with Buna-N O rings):	93°C (200°F)
Inlet:	3/8" NPT
Outlets:	1/4" NPT

#### "QUICK QUOTE" VALVE PRICES FOR FULLY ASSEMBLED AND TESTED BLOCKS

(A \$10.00 charge is included for assembly and testing before despatch.)

MX3-2	2 outlets	(3 section)	MX	1	\$1,423.90
MX3-3	3 outlets	(3 section)	MX	1	\$1,356.30
MX3-4	4 outlets	(3 section)	MX	1	\$1,356.30
MX3-5	5 outlets	(3 section)	MX	1	\$1,356.30
MX3-6	6 outlets	(3 section)	MX	1	\$1,356.30
MX4-7	7 outlets	(4 section)	MX	1	\$1,684.20
MX4-8	8 outlets	(4 section)	MX	1	\$1,684.20
MX5-9	9 outlets	(5 section)	MX	1	\$2,018.90
MX5-10	10 outlets	(5 section)	MX	1	\$2,018.90
MX6-11	11 outlets	(6 section)	MX	1	\$2,360.00
MX6-12	12 outlets	(6 section)	MX	1	\$2,360.00
MX7-13	13 outlets	(7 section)	MX	1	\$2,691.10
MX7-14	14 outlets	(7 section)	MX	1	\$2,691.10
MX8-15	15 outlets	(8 section)	MX	1	\$3,024.60
MX8-16	16 outlets	(8 section)	MX	1	\$3,024.60
MX9-17	17 outlets	(9 section)	MX	1	\$3,356.90
MX9-18	18 outlets	(9 section)	MX	1	\$3,356.90
MX10-19	19 outlets	(10 section)	MX	1	\$3,687.60
MX10-20	20 outlets	(10 section)	MX	1	\$3,687.60

#### OPTIONS:

1/ With cycle indicator pin on right hand side (add)	\$156.00
2/ With micro-switch and bracket, supplied loose (add to option 1)	\$283.90
3/ With automatic relief indicators, supplied loose (add, per point)	\$41.20
4/ With reset indicator with memory, supplied loose (add per point)	\$35.40

### 3.1 MX VALVE SECTIONS

004-025-002	25T	Valve Section	MX	1	\$327.90
004-025-001	25S	Valve Section	MX	1	\$327.90
004-050-002	50T	Valve Section	MX	1	\$327.90
004-050-001	50S	Valve Section	MX	1	\$327.90
004-075-002	75T	Valve Section	MX	1	\$327.90
004-075-001	75S	Valve Section	MX	1	\$327.90
004-100-002	100T	Valve Section	MX	1	\$327.90
004-100-001	100S	Valve Section	MX	1	\$327.90
004-125-002	125T	Valve Section	MX	1	\$327.90
004-125-001	125S	Valve Section	MX	1	\$327.90
004-150-002	150T	Valve Section	MX	1	\$327.90
004-150-001	150S	Valve Section	MX	1	\$327.90

includes gasket

### 3.2 - 3.3 MX INLETS AND ENDS

510-914-003	inlet section	MX	1	\$135.30
510-921-004	end section	MX	1	\$135.30

### 3.4 MX VALVE SECTIONS WITH RIGHT HAND CYCLE INDICATOR PIN

004-050-602	50TB	Valve Section	MX	1	\$484.00
004-050-601	50SB	Valve Section	MX	1	\$484.00
004-075-602	75TB	Valve Section	MX	1	\$484.00
004-075-601	75SB	Valve Section	MX	1	\$484.00
004-100-602	100TB	Valve Section	MX	1	\$484.00
004-100-601	100SB	Valve Section	MX	1	\$484.00
004-125-602	125TB	Valve Section	MX	1	\$484.00
004-125-601	125SB	Valve Section	MX	1	\$484.00
004-150-602	150TB	Valve Section	MX	1	\$484.00
004-150-601	150SB	Valve Section	MX	1	\$484.00

includes gasket

### 3.5 MX TIE RODS

510-505-030	3 - section tie rod	MX	1	\$20.50
510-505-040	4 - section tie rod	MX	1	\$20.50
510-505-050	5 - section tie rod	MX	1	\$22.20
510-505-060	6 - section tie rod	MX	1	\$25.50
510-505-070	7 - section tie rod	MX	1	\$26.30
510-505-080	8 - section tie rod	MX	1	\$27.70
510-505-090	9 - section tie rod	MX	1	\$28.80
510-505-100	10 - section tie rod	MX	1	\$29.50

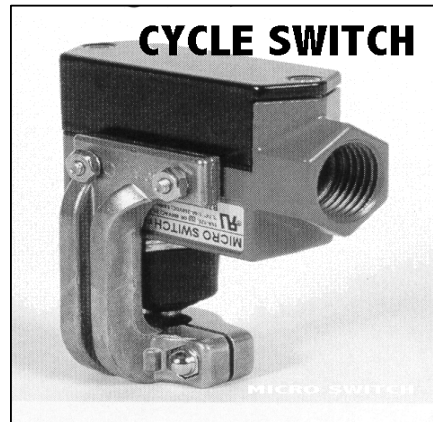
### 3.6 MX TIE ROD NUTS

510-506-001	tie rod nuts	MX	1	\$2.50
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### 3.7 MX SPARE PARTS

510-933-001	gaskets	MX	1	\$5.50
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### 3.8 MX ACCESSORIES



189-000-090	cross port bar asby	MX	1	\$67.60
189-000-060	singling bar asby	MX	1	\$67.60
510-599-000	micro switch and bracket assembly (SPDT)	MX	1	\$283.90

### 3.9 UNIVERSAL COUNTER



527-002-410		MX	1	\$410.10
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## SECTION 4. MXP MODULAR PROGRESSIVE DIVIDER VALVES



### SPECIFICATIONS

Standard Material:	Zinc Plated Steel
Maximum Pressure:	206 bar (3000 psi)
Lubricant Type:	Oil or Grease to NLGI 2
Minimum and Maximum Displacement Per Outlet:	0.410cm <sup>3</sup> to 4.917cm <sup>3</sup> .
Maximum Operating Temperature (with Buna-N O rings):	93°C (200°F)
Inlet:	3/8" NPT
Outlets:	1/4" NPT

### "QUICK QUOTE" VALVE PRICES FOR FULLY ASSEMBLED AND TESTED BLOCKS

(A \$10.00 charge is included for assembly and testing before despatch.)

MXP3-2	2 outlets	(3 section)	MXP	1	\$1,360.70
MXP3-3	3 outlets	(3 section)	MXP	1	\$1,288.70
MXP3-4	4 outlets	(3 section)	MXP	1	\$1,288.70
MXP3-5	5 outlets	(3 section)	MXP	1	\$1,288.70
MXP3-6	6 outlets	(3 section)	MXP	1	\$1,288.70
MXP4-7	7 outlets	(4 section)	MXP	1	\$1,641.90
MXP4-8	8 outlets	(4 section)	MXP	1	\$1,641.90
MXP5-9	9 outlets	(5 section)	MXP	1	\$1,993.90
MXP5-10	10 outlets	(5 section)	MXP	1	\$1,993.90
MXP6-11	11 outlets	(6 section)	MXP	1	\$2,345.60
MXP6-12	12 outlets	(6 section)	MXP	1	\$2,345.60
MXP7-13	13 outlets	(7 section)	MXP	1	\$2,699.00
MXP7-14	14 outlets	(7 section)	MXP	1	\$2,699.00
MXP8-15	15 outlets	(8 section)	MXP	1	\$3,051.30
MXP8-16	16 outlets	(8 section)	MXP	1	\$3,051.30
MXP9-17	17 outlets	(9 section)	MXP	1	\$3,433.60
MXP9-18	18 outlets	(9 section)	MXP	1	\$3,433.60
MXP10-19	19 outlets	(10 section)	MXP	1	\$3,783.20
MXP10-20	20 outlets	(10 section)	MXP	1	\$3,783.20

### OPTIONS:

1/ With cycle indicator pin on right hand side (add)	\$83.40
2/ With micro-switch and bracket, supplied loose (add to option 1)	\$283.90
3/ With automatic relief indicators, supplied loose (add, per point)	\$41.20
4/ With reset indicator with memory, supplied loose (add per point)	\$35.40

#### 4.1 MXP (MODULAR) VALVE SECTIONS

106-300-010	25T	Valve Section	MXP	1	\$244.60
106-300-070	25S	Valve Section	MXP	1	\$244.60
106-300-020	50T	Valve Section	MXP	1	\$244.60
106-300-080	50S	Valve Section	MXP	1	\$244.60
106-300-030	75T	Valve Section	MXP	1	\$244.60
106-300-090	75S	Valve Section	MXP	1	\$244.60
106-300-040	100T	Valve Section	MXP	1	\$244.60
106-300-100	100S	Valve Section	MXP	1	\$244.60
106-300-050	125T	Valve Section	MXP	1	\$244.60
106-300-110	125S	Valve Section	MXP	1	\$244.60
106-300-060	150T	Valve Section	MXP	1	\$244.60
106-300-120	150S	Valve Section	MXP	1	\$244.60

#### 4.2 - 4.3 MXP INLETS AND ENDS

527-300-000	inlet section (NPT)	MXP	1	\$72.00
527-300-100	intermediate section (NPT)	MXP	1	\$105.10
527-300-090	end section	MXP	1	\$72.00

#### 4.4 MXP VALVE SECTIONS WITH RIGHT HAND CYCLE INDICATOR PIN

106-300-130	50TB	Valve Section	MXP	1	\$328.00
106-300-180	50SB	Valve Section	MXP	1	\$328.00
106-300-140	75TB	Valve Section	MXP	1	\$328.00
106-300-190	75SB	Valve Section	MXP	1	\$328.00
106-300-150	100TB	Valve Section	MXP	1	\$328.00
106-300-200	100SB	Valve Section	MXP	1	\$328.00
106-300-160	125TB	Valve Section	MXP	1	\$328.00
106-300-210	125SB	Valve Section	MXP	1	\$328.00
106-300-170	150TB	Valve Section	MXP	1	\$328.00
106-300-220	150SB	Valve Section	MXP	1	\$328.00

#### 4.5 MXP TIE RODS

527-300-270	3 - section tie rod	MXP	1	\$24.60
527-300-280	4 - section tie rod	MXP	1	\$25.80
527-300-290	5 - section tie rod	MXP	1	\$26.50
527-300-300	6 - section tie rod	MXP	1	\$27.20
527-300-310	7 - section tie rod	MXP	1	\$28.40
527-300-320	8 - section tie rod	MXP	1	\$29.30
527-300-330	9 - section tie rod	MXP	1	\$40.20
527-300-340	10 - section tie rod	MXP	1	\$40.20

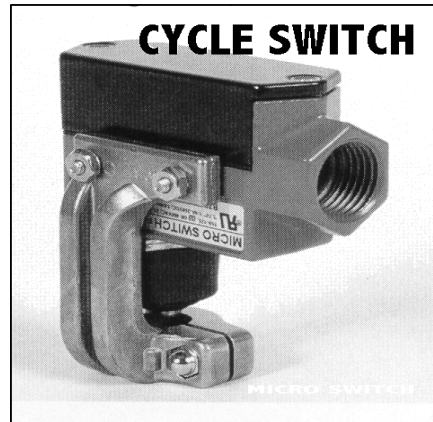
#### 4.6 MXP TIE ROD NUTS

410-440-020	tie rod nut	MXP	1	\$3.60
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#### 4.7-4.10 CROSSPORT PLATES AND SINGLING BAR

527-300-980	crossport right	MXP	1	\$72.00
527-300-970	crossport left	MXP	1	\$72.00
527-300-990	crossport both	MXP	1	\$72.00
527-301-000	singling plate	MXP	1	\$72.00

#### 4.11 CYCLE SWITCHES



510-599-000	micro switch and bracket assembly (SPDT)	MXP	1	\$283.90
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#### 4.12 SPARE PARTS

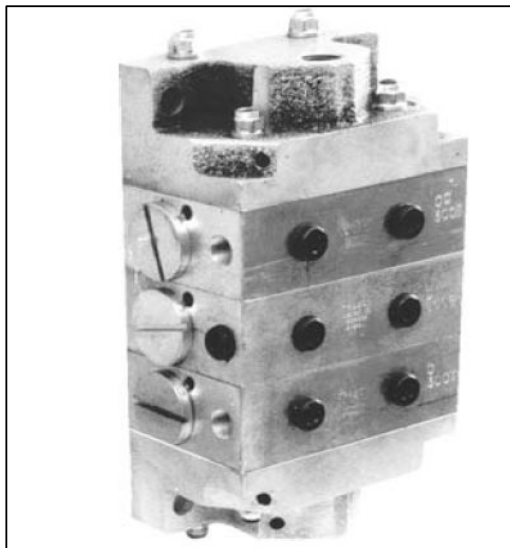
419-160-080	valve section mounting bolts	MXP	1	\$3.20
527-300-510	standard valve section O ring (90 duro viton) each	MXP	1	\$1.40

#### 4.13 UNIVERSAL COUNTER



527-002-410		MXP	1	\$372.80
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## SECTION 5. MGO PROGRESSIVE DIVIDER VALVES



### SPECIFICATIONS

Standard Material:	Zinc Plated Steel, Cast Iron
Maximum Pressure:	414bar (6000psi); Drops down to 276bar (4,000psi) for 11sect valve
Lubricant Type:	Oil or Grease to NLGI 2
Minimum and Maximum Displacement Per Outlet:	2.05cm <sup>3</sup> to 19.67cm <sup>3</sup> .
Maximum Operating Temperature (with Buna-N O rings):	93°C (200°F)
Inlet:	7/8" SAE
Outlets:	7/8" SAE

### "QUICK QUOTE" VALVE PRICES FOR FULLY ASSEMBLED AND TESTED BLOCKS

(A \$10.00 charge is included for assembly and testing before despatch.)

MGO3-2	2 outlets	(3 section)	MGO	1	\$6,411.10
MGO3-3	3 outlets	(3 section)	MGO	1	\$6,411.10
MGO3-4	4 outlets	(3 section)	MGO	1	\$6,411.10
MGO3-5	5 outlets	(3 section)	MGO	1	\$6,411.10
MGO3-6	6 outlets	(3 section)	MGO	1	\$6,411.10
MGO4-7	7 outlets	(4 section)	MGO	1	\$8,059.10
MGO4-8	8 outlets	(4 section)	MGO	1	\$8,059.10
MGO5-9	9 outlets	(5 section)	MGO	1	\$9,707.00
MGO5-10	10 outlets	(5 section)	MGO	1	\$9,707.00
MGO6-11	11 outlets	(6 section)	MGO	1	\$11,351.00
MGO6-12	12 outlets	(6 section)	MGO	1	\$11,351.00
MGO7-13	13 outlets	(7 section)	MGO	1	\$12,998.90
MGO7-14	14 outlets	(7 section)	MGO	1	\$12,998.90
MGO8-15	15 outlets	(8 section)	MGO	1	\$14,646.90
MGO8-16	16 outlets	(8 section)	MGO	1	\$14,646.90
MGO9-17	17 outlets	(9 section)	MGO	1	\$16,582.00
MGO9-18	18 outlets	(9 section)	MGO	1	\$16,582.00
MGO10-19	19 outlets	(10 section)	MGO	1	\$18,297.70
MGO10-20	20 outlets	(10 section)	MGO	1	\$18,297.70
MGO11-21	21 outlets	(11 section)	MGO	1	\$20,879.70
MGO11-22	22 outlets	(11 section)	MGO	1	\$20,879.70



## 5.1 MGO VALVE SECTIONS

007-150-032	150T	Valve Section	MGO	1	\$1,620.20
007-150-031	150S	Valve Section	MGO	1	\$1,620.20
007-300-032	300T	Valve Section	MGO	1	\$1,620.20
007-300-031	300S	Valve Section	MGO	1	\$1,620.20
007-450-032	450T	Valve Section	MGO	1	\$1,620.20
007-450-031	450S	Valve Section	MGO	1	\$1,620.20
007-600-032	600T	Valve Section	MGO	1	\$1,620.20
007-600-031	600S	Valve Section	MGO	1	\$1,620.20
510-679-000	Outlet Closure Plug		MGO	1	\$5.80

## 5.2-5.3 MGO INLETS AND ENDS

510-670-200	inlet section	MGO	1	\$676.50
510-670-210	end section	MGO	1	\$676.50

## 5.4 MGO TIE RODS

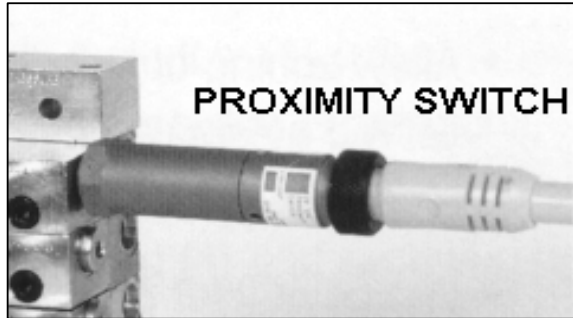
510-665-030	3 - section tie rod	Upper (2 required)	MGO	1	\$46.60
510-666-030	3 - section tie rod	Lower (2 required)	MGO	1	\$46.60
510-665-040	4 - section tie rod	Upper (2 required)	MGO	1	\$53.50
510-666-040	4 - section tie rod	Lower (2 required)	MGO	1	\$53.50
510-665-050	5 - section tie rod	Upper (2 required)	MGO	1	\$60.50
510-666-050	5 - section tie rod	Lower (2 required)	MGO	1	\$60.50
510-665-060	6 - section tie rod	Upper (2 required)	MGO	1	\$66.40
510-666-060	6 - section tie rod	Lower (2 required)	MGO	1	\$66.40
510-665-070	7 - section tie rod	Upper (2 required)	MGO	1	\$73.40
510-666-070	7 - section tie rod	Lower (2 required)	MGO	1	\$73.40
510-665-080	8 - section tie rod	Upper (2 required)	MGO	1	\$80.30
510-666-080	8 - section tie rod	Lower (2 required)	MGO	1	\$80.30
510-665-090	9 - section tie rod	Upper (2 required)	MGO	1	\$159.00
510-666-090	9 - section tie rod	Lower (2 required)	MGO	1	\$159.00
510-665-100	10 - section tie rod	Upper (2 required)	MGO	1	\$182.90
510-666-100	10 - section tie rod	Lower (2 required)	MGO	1	\$182.90
510-665-110	11 - section tie rod	Upper (2 required)	MGO	1	\$423.40
510-666-110	10 - section tie rod	Lower (2 required)	MGO	1	\$423.40

2 nuts required per tie rod

## 5.5 MGO TIE ROD NUTS

510-506-001	tie rod nut	MGO	1	\$2.50
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## 5.6 PROXIMITY SWITCHES

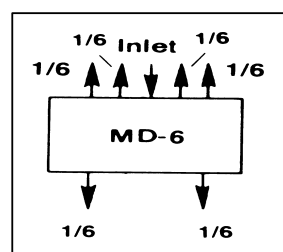
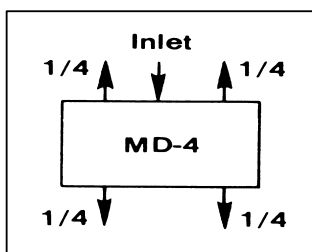
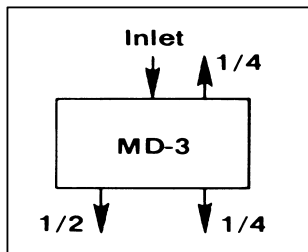
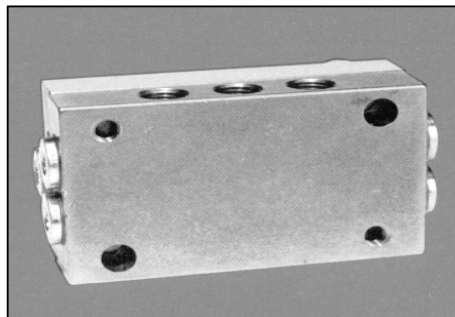
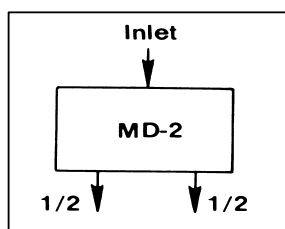


527-007-120	20-28vdc 4 pin without cable 10,000psi	MGO	1	\$1,864.80
527-007-160	115vac 4 pin without cable 10,000psi	MGO	1	\$1,864.80

## 5.7 SPARE PARTS

560-001-950	Seal Kit	MGO	1	\$42.20
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## SECTION 6. MD SERIES DIVIDER VALVES

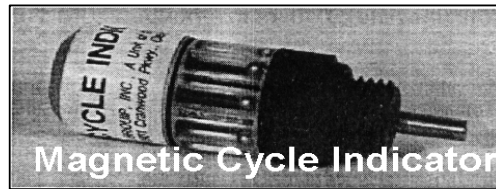


### SPECIFICATIONS

Standard Material:	Zinc Plated Steel
Maximum Pressure:	240 bar (3500 psi)
Lubricant Type:	Oil or Grease to NLGI 2
Minimum and Maximum Displacement Per Outlet:	0.083cm <sup>3</sup> to 1.311cm <sup>3</sup> .
Maximum Operating Temperature (with Buna-N O rings):	93°C (200°F)
Inlet:	1/8" NPT
Outlets:	1/8" NPT

103-000-131	MD-2 (2 outlet valve)	MD	1	\$359.90
103-000-141	MD-3 (3 outlet valve)	MD	1	\$359.90
103-000-151	MD-4 (4 outlet valve)	MD	1	\$359.90
103-000-510	MD-6 (6 outlet valve)	MD	1	\$359.90
103-000-041	MD-2 (2 outlet valve) w/cycle pin	MD	1	\$436.00
103-000-051	MD-3 (3 outlet valve) w/cycle pin	MD	1	\$436.00
103-000-061	MD-4 (4 outlet valve) w/cycle pin	MD	1	\$436.00
510-446-020	MD-2 (2 outlet valve) w/micro switch & bracket	MD	1	\$849.20
510-446-030	MD-3 (3 outlet valve) w/micro switch & bracket	MD	1	\$849.20
510-446-040	MD-4 (4 outlet valve) w/micro switch & bracket	MD	1	\$849.20

**SECTION 7. MAGNETIC CYCLE INDICATORS AND PERFORMANCE INDICATORS  
FOR MSP, MJ, MX, AND MSP VALVES**



**7.1 MAGNETIC CYCLE INDICATOR (SCREWS INTO VALVE WORKING PORT)**

509-932-521	Magnetic cycle indicator for MSP and MHP		1	\$139.70
509-932-522	Magnetic cycle indicator for MSP and MHP		1	\$143.10
509-932-720	Magnetic cycle indicator for MX and MXP		1	\$243.00

**7.2 AUTOMATIC RELIEF INDICATORS 1/8"NPT FOR MSP, MJ, MXP**

508-310-415	Relief indicator 750 psi		1	\$41.20
508-310-425	Relief indicator 1000 psi		1	\$41.20
508-310-435	Relief indicator 1250 psi		1	\$41.20
508-310-445	Relief indicator 1500 psi		1	\$41.20
508-310-455	Relief indicator 2000 psi		1	\$41.20
508-310-465	Relief indicator 2500 psi		1	\$41.20
508-310-475	Relief indicator 3000 psi		1	\$41.20

**7.3 AUTOMATIC RELIEF INDICATORS 1/4"NPT FOR MX**

508-210-075	Relief indicator 750 psi		1	\$41.20
508-210-100	Relief indicator 1000 psi		1	\$41.20
508-210-150	Relief indicator 1500 psi		1	\$41.20
508-210-200	Relief indicator 2000 psi		1	\$41.20
508-210-250	Relief indicator 2500 psi		1	\$41.20
508-210-300	Relief indicator 3000 psi		1	\$41.20

**7.4 RESET INDICATORS WITH MEMORY 1/8" NPT FOR MSP, MJ, MXP**

509-932-590	Reset pin indicator 250 psi		1	\$35.40
509-932-600	Reset pin indicator 500 psi		1	\$35.40
509-932-610	Reset pin indicator 750 psi		1	\$35.40
509-932-620	Reset pin indicator 1000 psi		1	\$35.40
509-932-630	Reset pin indicator 1500 psi		1	\$35.40
509-932-640	Reset pin indicator 2000 psi		1	\$35.40
509-932-650	Reset pin indicator 2500 psi		1	\$35.40
509-932-831	Reset pin indicator 3000 psi		1	\$35.40

**7.5 RESET INDICATORS WITH MEMORY 1/4" NPT FOR MX**

509-932-010	Reset pin indicator 250 psi		1	\$35.40
509-932-020	Reset pin indicator 500 psi		1	\$35.40
509-932-030	Reset pin indicator 750 psi		1	\$35.40
509-932-040	Reset pin indicator 1000 psi		1	\$35.40
509-932-050	Reset pin indicator 1500 psi		1	\$35.40
509-932-060	Reset pin indicator 2000 psi		1	\$35.40
509-932-070	Reset pin indicator 2500 psi		1	\$35.40

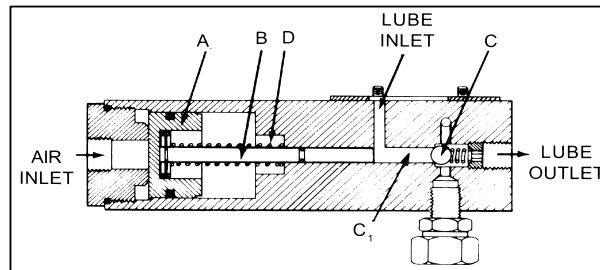
**7.6 RUPTURE INDICATORS 1/8"NPT FOR MSP, MJ, MXP**

509-230-060	Rupture indicator 900 psi		1	\$54.90
509-230-100	Rupture indicator 1450 psi		1	\$54.90
509-230-120	Rupture indicator 1750 psi		1	\$54.90
509-230-140	Rupture indicator 2050 psi		1	\$54.90
509-230-160	Rupture indicator 2350 psi		1	\$54.90
509-230-180	Rupture indicator 2650 psi		1	\$54.90
509-230-200	Rupture indicator 2950 psi		1	\$54.90
509-230-220	Rupture indicator 3250 psi		1	\$54.90
509-230-350	Rupture indicator 5000 psi		1	\$54.90

**7.7 RUPTURE INDICATORS 1/4"NPT FOR MX AND PUMP STATIONS**

509-206-100	Rupture indicator 1450 psi		1	\$43.50
509-206-120	Rupture indicator 1750 psi		1	\$43.50
509-206-160	Rupture indicator 2350 psi		1	\$43.50
509-206-200	Pupture indicator 2950 psi		1	\$43.50

## SECTION 8. E PUMP COMPONENTS



### 8.1 E PUMP

#### SPECIFICATIONS

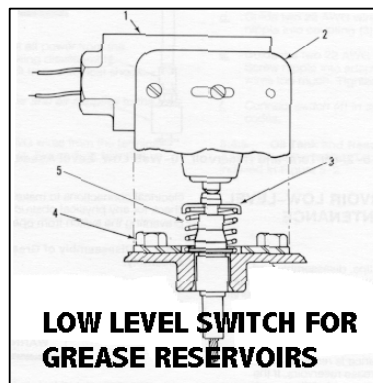
Model	Ratio	Single or Double Acting	Output/Stroke (cm <sup>3</sup> )
E Pump	20 to 1	Single	\$0.49
Air operated			

521-300-180	E Pump with mounting gasket and bolts	E	1	\$648.00
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### 8.2 RESERVOIRS

521-300-190	4 pint ( 1.9 Litres ) rectangular plastic	E	1	\$369.20
185-100-760	6 lb grease ( 2.72kg Modu-Flo Plastic)	E	1	\$791.60
185-100-750	6 pint Oil ( 2.84 Litres Modu-Flo Plastic)	E	1	\$662.00
6010ASBY	3 Litre Metal Tank Assembly	E	1	

### 8.3 LOW LEVEL OPTIONS



521-001-050	6 pint cylindrical plastic ( 2.84 Litres )	E		\$563.40
521-500-890	4 pint rectangular ( 1.9 Litres )	E		\$300.20
521-001-110	all grease reservoirs	E		\$210.00

**SECTION 9. MAXI-FLO ELECTRIC PUMP**



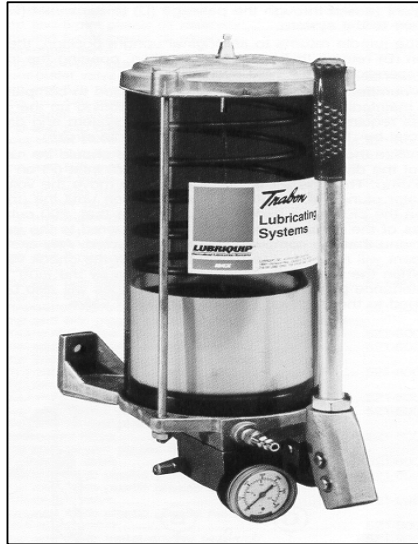
**9.1 MAXI-FLO PUMPS**

521-500-910	solid state timer control 115VAC	MA	1	\$1,985.20
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**9.2 ACCESSORIES**

521-500-330	high pressure switch	MA	1	\$692.20
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## SECTION 10. PH MANUAL PUMP

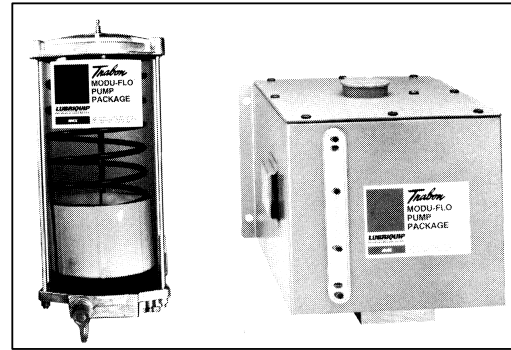


521-800-000	PH manual pump (less reservoir)	PH	1	\$1,168.90
511-048-001	2 outlet valve	PH	1	\$1,537.10
511-080-000	4 outlet valve	PH	1	\$1,958.10

PH pump can be mounted to any Modu-Flo reservoir



## SECTION 11. MODU-FLO PUMPS



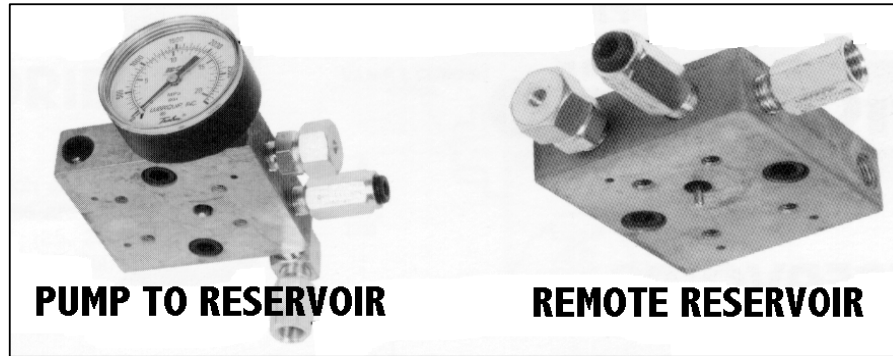
### 11.1 OIL RESERVOIRS

185-100-750	6 pint cylindrical plastic ( 2.84 Litres )	MF	1	\$662.00
185-100-060	12 pint cylindrical plastic ( 5.68 Litres )	MF	1	\$719.60
185-100-070	20 pint cylindrical plastic ( 9.46 Litres )	MF	1	\$820.30
6013KT	5 litre steel tank with sight level and filler	MF	1	\$1,131.00
6011KT	11 litre steel tank with sight level and filler	MF	1	\$1,172.40

### 11.2 GREASE RESERVOIRS

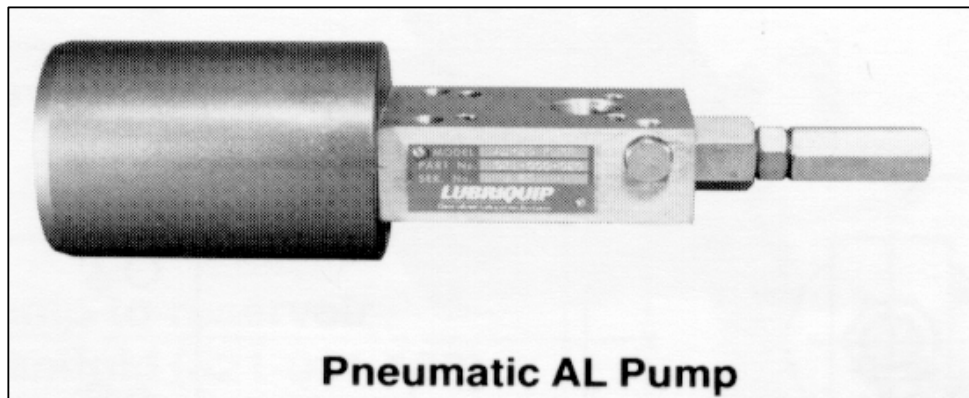
185-100-760	6 lb cylindrical plastic ( 2.72 kg )	MF	1	\$791.60
185-100-000	12 lb cylindrical plastic ( 5.44 kg )	MF	1	\$877.90
185-100-010	20 lb cylindrical plastic ( 9.06 kg )	MF	1	\$933.00
185-100-020	12 lb cylindrical metal ( 5.44 kg )	MF	1	\$978.70
185-100-030	20 lb cylindrical metal ( 9.06 kg )	MF	1	\$1,280.80

### 11.3 MANIFOLDS ( Pump Mounting )



521-001-180	reservoir mtg. with gauge, fill check, outlet check & blowout	MF	1	\$345.50
521-001-170	remote res. mtg. with fill check, outlet check & blowout	MF	1	\$354.40

### 11.4 PNEUMATIC PUMPS



#### SPECIFICATIONS

Model	Ratio	Single or Double Acting	Output/Stroke (cm <sup>3</sup> )
ALS-5M	30 to 1	Single	0.164- 0.492
ALJ-5M	30 to 1	Double	0.164- 0.492
ALS-25M	30 to 1	Single	0.492- 1.966
ALJ-25M	30 to 1	Double	0.492- 1.966
ALS-50M	30 to 1	Single	0.983- 3.933
ALJ-50M	30 to 1	Double	0.983- 3.933

521-000-001	ALS-5M	MF	1	\$1,017.50
521-000-001	ALJ-5M	MF	1	\$1,017.50
521-000-021	ALS-25M	MF	1	\$1,017.50
521-000-021	ALJ-25M	MF	1	\$1,017.50
521-000-041	ALS-50M	MF	1	\$1,460.10
521-000-041	ALJ-50M	MF	1	\$1,460.10

## 11.5 HYDRAULIC PUMPS



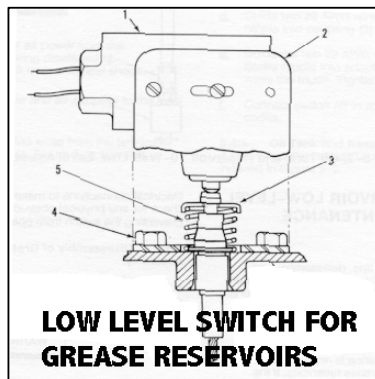
### SPECIFICATIONS

<u>Model</u>	<u>Ratio</u>	<u>Max Hydraulic Pressure</u>	<u>Single or Double Acting</u>	<u>Output/ Stroke (cm<sup>3</sup>)</u>
HLJ-5M	5.5 to 1	13.8 to 137.8 bar	Double	0.164- 0.492
HLJ-25M	5.5 to 1	13.8 to 137.8 bar	Double	0.492- 1.966
HLJ-5X	2.2 to 1	13.8 to 137.8 bar	Double	0.492- 1.51

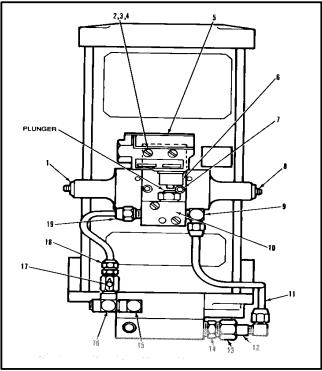
521-000-010	HLJ-5M	MF	1	\$1,017.50
521-000-031	HLJ-25M	MF	1	\$1,017.50

## 11.6 LOW LEVEL OPTIONS



521-001-110	all grease reservoirs (15 amp)	MF	1	\$210.00
456-010-172	5 pint & 12 pint cyl. oil (10 watt)	MF	1	\$302.40
456-010-173	20 pint cyl. oil (10 watt)	MF	1	\$302.40
LL6011	all rect. Tanks (10 watt)	MF	1	\$283.00

11.7 PRESSURE INDICATOR OPTIONS



521-001-200	blowout assembly - 6, 12 or 20 oil or grease cyl.reservoirs	MF	1	\$557.60
521-001-210	blowout assembly - all tanks	MF	1	\$557.60

**SECTION 12 MSA10 AIR OPERATED PUMP**



**MSA10 SPECIFICATIONS**

<u>Model</u>	<u>Ratio</u>	<u>Single or Double Acting</u>	<u>Output/Stroke (cm<sup>3</sup>)</u>
MSA10	25 to 1	Single or Double	0.66 - 1.97
This pump is designed for remote mounting to a pressurised lubricant supply.			
Maximum lubricant INLET pressure			500psi
Maximum lubricant OUTLET pressure			3,000psi
Air operated			

140-000-111	MSA10		1	\$1,410.30
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**SECTION 13 MSA100 AIR OPERATED PUMP**

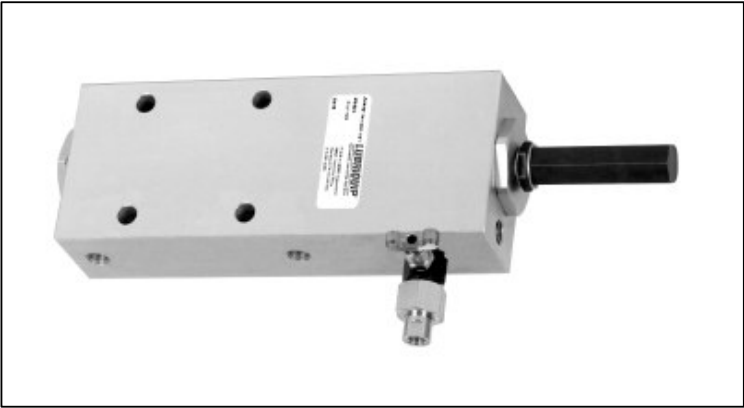


**MSA100 SPECIFICATIONS**

<u>Model</u>	<u>Ratio</u>	<u>Single or Double Acting</u>	<u>Output/Stroke (cm<sup>3</sup>)</u>
MSA100	25 to 1	Single or Double	6.57 - 13.11
This pump is designed for remote mounting to a pressurised lubricant supply.			
Maximum lubricant INLET pressure			500psi
Maximum lubricant OUTLET pressure			3,000psi
Air operated			

140-000-171	MSA100		1	\$2,806.30
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**SECTION 14 HLJ100 HYDRAULIC OPERATED PUMP**

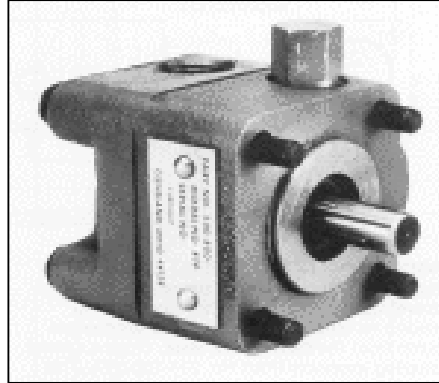


**HLJ100 SPECIFICATIONS**

<u>Model</u>	<u>Ratio</u>	<u>Single or Double Acting</u>	<u>Output/Stroke (cm<sup>3</sup>)</u>
HLJ100	3.5 to 1	Double	8.19 - 16.39
This pump is designed for gravity or spring loaded reservoir supply.			
Maximum hydraulic inlet pressure			850psi
Maximum lubricant OUTLET pressure			3,000psi
Hydraulic operated			

140-000-101	MSA100		1	\$2,950.30
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## SECTION 15. METERFLO GEAR PUMPS



### SPECIFICATIONS

Maximum Pressure:	103 bar (1500 psi)
Pressure reducing valve:	Built in
Lubricant Type:	Up to 650Cst
Operating Temperature (with Buna-N seals):	10°C to 65°C
Porting:	1/2" NPT
Drive type:	Direct drive only

### 15.1 BARE METERFLO PUMPS

540-800-001	CCW	377cc/min @ 1400rpm	MFL	1	\$2,273.90
540-800-011	CCW	190cc/min @ 1400rpm	MFL	1	\$2,273.90
540-800-021	CCW	1,175cc/min @ 1400rpm	MFL	1	\$2,273.90
540-800-031	CW	1,175cc/min @ 1400rpm	MFL	1	\$2,273.90
540-800-041	CCW	1,595cc/min @ 1400rpm	MFL	1	\$2,273.90
540-800-051	CW	1,595cc/min @ 1400rpm	MFL	1	\$2,273.90
540-800-061	CCW	2,330cc/min @ 1400rpm	MFL	1	\$2,273.90
540-800-071	CW	2,330cc/min @ 1400rpm	MFL	1	\$2,273.90
540-800-091	CCW	545cc/min @ 1400rpm	MFL	1	\$2,273.90
540-800-101	CW	190cc/min @ 1400rpm	MFL	1	\$2,273.90
540-800-111	CCW	3,375cc/min @ 1400rpm	MFL	1	\$2,273.90

### 15.2 METERFLO PUMPS WITH BELL HOUSING, COUPLING AND MOTOR

MFM-001	CCW	377cc/min @ 1400rpm	0.55kw	240/415v motor	MFL	1	\$3,108.30
MFM-011	CCW	190cc/min @ 1400rpm	0.55kw	240/415v motor	MFL	1	\$3,108.30
MFM-021	CCW	1175cc/min @ 1400rpm	0.55kw	240/415v motor	MFL	1	\$3,108.30
MFM-031	CW	1175cc/min @ 1400rpm	0.55kw	240/415v motor	MFL	1	\$3,108.30
MFM-041	CCW	1595cc/min @ 1400rpm	0.55kw	240/415v motor	MFL	1	\$3,108.30
MFM-051	CW	1595cc/min @ 1400rpm	0.55kw	240/415v motor	MFL	1	\$3,108.30
MFM-061	CCW	2330cc/min @ 1400rpm	0.55kw	240/415v motor	MFL	1	\$3,108.30
MFM-071	CW	2330cc/min @ 1400rpm	0.55kw	240/415v motor	MFL	1	\$3,108.30
MFM-091	CCW	545cc/min @ 1400rpm	0.55kw	240/415v motor	MFL	1	\$3,108.30
MFM-101	CW	190cc/min @ 1400rpm	0.55kw	240/415v motor	MFL	1	\$3,108.30
MFM-111	CCW	3375cc/min @ 1400rpm	0.55kw	240/415v motor	MFL	1	\$3,108.30



## **SECTION 16. LUBEMASTER PUMPS**

### **16.1 LUBEMASTER GREASE PUMP PACKAGE FOR SINGLE LINE SYSTEMS**



Note: Various Electric Motors and Gear Reducer Ratio's are available on request

#### **SPECIFICATIONS**

Flow Rate Per Minute (adjustable)	23.4cm <sup>3</sup> /min to 116.9cm <sup>3</sup> /min
Maximum Pressure:	240 bar (3500 psi)
Base Plate Dimensions	360 mm x 390 mm
Lubricant Type:	Grease to NLGI 2
Reservoir Size	20lb Plastic
Reservoir Low Level Switch	Fitted
Gearbox Reduction Ratio	10 to 1
Electric Motor	1425 RPM, 415v
Outlet Filter	150 micron
Outlet Size	1/4" BSP
Also includes pressure gauge, blow out indicator, flexible coupling with guard	

Grease Lubemaster 20lb plastic reservoir	LM	1	\$6,107.90
Grease Lubemaster 20lb metal reservoir	LM	1	\$6,266.20

### **16.2 LUBEMASTER OIL PUMP PACKAGE FOR SINGLE LINE SYSTEMS**

#### **SPECIFICATIONS**

Flow Rate Per Minute (adjustable)	23.4cm <sup>3</sup> /min to 116.9cm <sup>3</sup> /min
Maximum Pressure:	240 bar (3500 psi)
Base Plate Dimensions	360 mm x 390 mm
Lubricant Type:	Oil
Reservoir Size	20 pint Plastic ( 9.46 Litres )
Reservoir Low Level Switch	Fitted
Gearbox Reduction Ratio	10 to 1
Electric Motor	1425 RPM, 415v
Outlet Filter	25 micron
Outlet Size	1/4" BSP
Also includes pressure gauge, blow out indicator, flexible coupling with guard	

Oil Lubemaster 20pt plastic reservoir	LM	1	\$6,035.90
Oil Lubemaster 20pt metal reservoir	LM	1	\$6,180.20

16.3 LUBEMASTER GREASE PUMP PACKAGE FOR DUAL LINE SYSTEMS



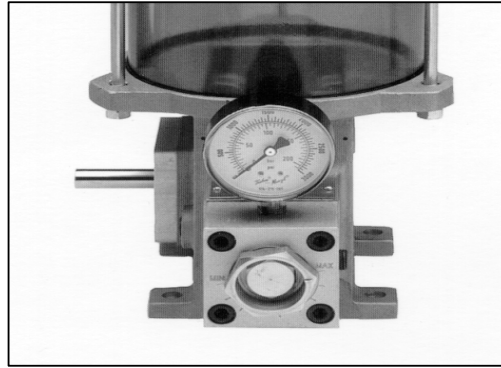
Note: Various Electric Motors  
and Gear Reducer Ratio's are  
available on request

SPECIFICATIONS

Flow Rate Per Minute (adjustable)	23.4cm <sup>3</sup> /min to 116.9cm <sup>3</sup> /min
Maximum Pressure:	240 bar (3500 psi)
Base Plate Dimensions	360 mm x 390 mm
Lubricant Type:	Grease to NGLI 2
Reservoir Size	20lb Plastic ( 9.07 kg )
Reservoir Low Level Switch	Fitted
Gearbox Reduction Ratio	10 to 1
Electric Motor	1425 RPM, 415v
Outlet Filter	150 micron
Outlet Size	1/4" BSP
Includes 1/4" port Flenco 5057004 dual line inverter valve	
Also includes pressure gauge, blow out indicator, flexible coupling with guard	

Grease Lubemaster Dual Line 20pt plastic reservoir	LM	1	\$7,571.10
Grease Lubemaster Dual Line 20pt metal reservoir	LM	1	\$7,729.30

## 16.4 BARE PUMP

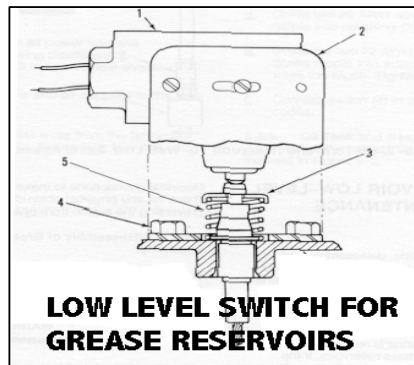


521-700-000	Lubemaster bare pump drive	LM	1	\$3,166.00
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## 16.5 RESERVOIRS

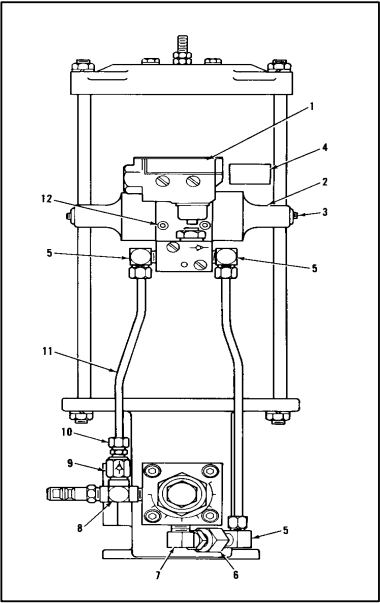
185-100-380	OPA - 12 pint oil plastic ( 5.68 Litres )	LM	1	\$662.40
185-100-390	OPB - 20 pint oil plastic ( 9.46 Litres )	LM	1	\$705.20
185-100-400	OMA - 12 pint oil metal ( 5.68 Litres )	LM	1	\$718.30
185-100-410	OMB - 20 pint oil metal ( 9.46 Litres )	LM	1	\$849.50
185-100-540	GPA - 12 lb grease plastic ( 5.44 kg )	LM	1	\$653.30
185-100-550	GPB - 20 lb grease plastic ( 9.06 kg )	LM	1	\$777.20
185-100-560	GMA - 12 lb grease metal ( 5.44 kg )	LM	1	\$791.60
185-100-570	GMB - 20 lb grease metal ( 9.06 kg )	LM	1	\$935.40

## 16.6 LOW LEVEL OPTIONS



521-001-110	all grease reservoirs (15 amp)	MF	1	\$210.00
456-010-172	12 pint cyl. oil (10 watt)	MF	1	\$302.40
456-010-173	20 pint cyl. oil (10 watt)	MF	1	\$302.40

16.7 PRESSURE INDICATOR OPTIONS



509-206-100	standard blowout - 1450 psi - oil	MF	1	\$43.50
509-206-160	standard blowout - 2350 psi - grease	MF	1	\$43.50
521-001-200	hi-press. blowout switch for oil and grease	MF	1	\$557.60

## **SECTION 17. FILTERS AND STRAINERS**

### **17.1 HIGH PRESSURE GREASE FILTER**



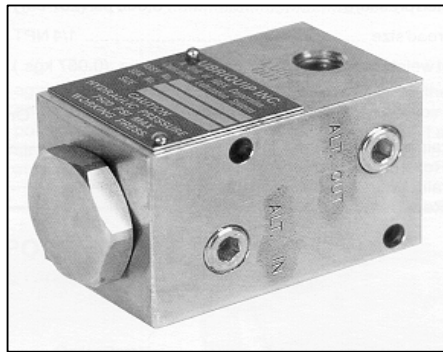
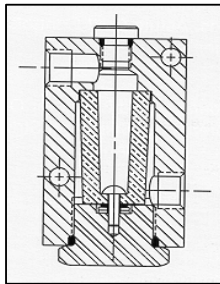
#### **SPECIFICATIONS**

Heavy duty high pressure grease filter with 149 micron strainer. For reservoir filling or in-line applications. Includes spare ports for gauge etc. Filter has no by-pass and will eventually block if not serviced.

Material:	Steel bar stock
Maximum Pressure:	510 bar (7500 psi)
Inlet and Outlet Ports:	1/4" NPTF
Filter Type:	Grease
Strainer Type:	100-mesh cleanable screen
Filter Rating:	149 microns (100 mesh)

527-100-380	Filter Assembly	1	\$815.40
525-766-010	Replacement 100 Mesh Element	1	\$350.60

### **17.2 HIGH PRESSURE OIL FILTER**



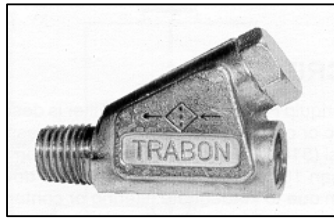
#### **SPECIFICATIONS**

Heavy duty high pressure oil filter with 25 micron beta rated strainer. For in-line applications. Includes spare ports for gauges etc. Filter has no by-pass and will eventually block if not serviced.

Material:	Steel bar stock
Maximum Pressure:	510 bar (7500 psi)
Inlet and Outlet Ports:	1/4" NPTF
Filter Type:	Oil
Strainer Type:	Sintered bronze fixed to plug
Filter Rating:	25 microns

527-100-591	Filter Assembly	1	\$566.00
527-100-550	Replacement 25 Micron Element	1	\$221.40

### 17.3 GREASE FILL POINT STRAINERS

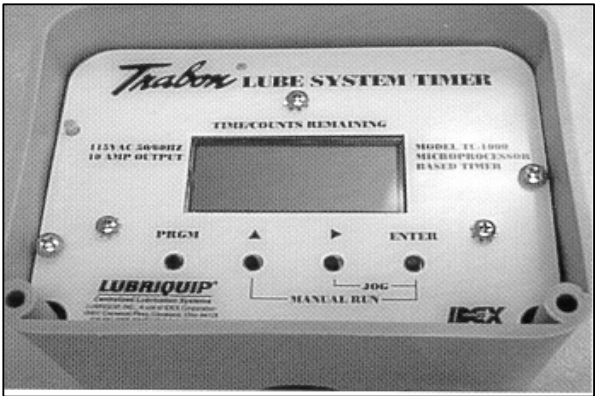


#### SPECIFICATIONS

Medium pressure compact strainer for reservoir filling.			
Material:		Brass	
Maximum Pressure:		200 bar (3000 psi)	
Inlet and Outlet Ports:		1/4" NPTF, 1/4" NPTM	
Filter Type:		Grease	
Strainer Type:		100 mesh screen	
Filter Rating:		149 Microns	
473-020-468	Strainer Assembly	1	\$451.10
473-020-465	Replacement 100 Mesh Element	1	\$41.10

**SECTION 18. TIMERS AND CONTROLLERS**

**18.1 TC-1000 SERIES DC and AC TIMER/COUNTERS**

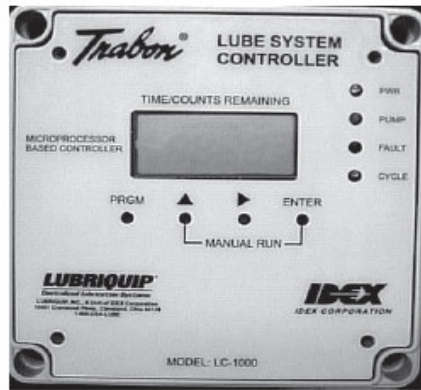


**SPECIFICATIONS**

Programs lubrication at time intervals or by machine strokes. Liquid crystal display, mini pushbutton programmable micro-processor. System control only, no alarm or monitoring functions.	
Material:	High impact plastic
Voltage:	As listed
Prelube:	No
Memory:	Yes
Maximum load:	10 amp relay
Load on time:	1-9999 sec/min/hr
Cycle frequency:	1-9999 sec/min/hr

163-400-040	12VDC	1	\$1,511.10
163-400-041	24VDC	1	\$1,511.10
163-400-042	120VAC	1	\$1,511.10
163-400-043	240V AC	1	\$1,511.10

## 18.2 LC-1000 SERIES DC and AC CONTROLLERS



### SPECIFICATIONS

Programs lubrication at time intervals or by machine strokes. Liquid crystal display, mini pushbutton programmable micro-processor.		
Monitors divider cycles by hull strokes or half strokes. With low level alarm input.		
Material:		High impact plastic
Voltage:		As listed
Prelube:		No
Memory:		Yes
Maximum load:		10 amp relay
Load on time:		1-9999 sec/min/hr/count
Cycle frequency:		1-9999 sec/min/hr/count

163-400-050	12VDC	1	\$1,986.20
163-400-051	24VDC	1	\$1,986.20
163-400-052	120VAC	1	\$1,986.20
163-400-053	240V AC	1	\$1,986.20



## 18.5 WMPIII MAXI MONITOR CONTROLLER



### SPECIFICATIONS

Programs lubrication at time intervals or by machine strokes. Liquid crystal display  
Fully programmable with inputs for cycle switch, pressure switch, low level switch.  
Large display gives detailed information on current system configuration and alarm signals.  
The most flexible controller for single line progressive systems available.

Material:	Stainless steel
Voltage:	12vdc, 24vdc, 110vac, 240vac
Prelube:	Yes
Memory:	Yes
Maximum load:	2 amps

163-310-030	12VDC	1	\$3,741.70
163-310-020	24VDC	1	\$3,741.70
163-310-000	110VAC	1	\$3,741.70
163-310-010	240V AC	1	\$3,741.70