

## Characteristics

- **Temperature range:**  
-30degC to +80degC
- **Frequency:**  
100 cycles/minute.
- **Max. pressure (inlet):**  
400 bar
- **Lubricant:**  
**Min Viscosity:** 100 cSt  
**Grease Max.:** NLGI 2  
265 ASTM
- **Base threads:**  
**Inlets:**  
3/8" BSP or  
3/8" NPTF.  
**Outlets:**  
1/4" BSP or  
1/4" NPTF.
- **ATEX CE Ex II2 GD Marking**

## Modular Dual Line

### Dual Line Lubrication Divider Valves Series 02

The modular Dual Line system consists of two main parts: the Base and the Metering Valves.

All Modular dual Line Elements and bases are made in nickel Plating.

The Nickel plating adopted by Dropsa is up to 70 times more resistant to corrosion in the field than the previous Zinc Plating and are available with inlets and outlets in UNI-ISO 7/1 (BSP) or NPTF threads.

The Metering Valves can be supplied with adjustable or fixed discharge.

The Valves with adjustable discharge are fitted with turrets provided with integral adjusting screws together with a metacrylate cover and seal.



A blanking plate to be ordered separately, can be provided on the Base to accommodate future additional points.

The Dual line elements now marked with a new laser marking system directly on the Nickel Plated element indicate the following information :

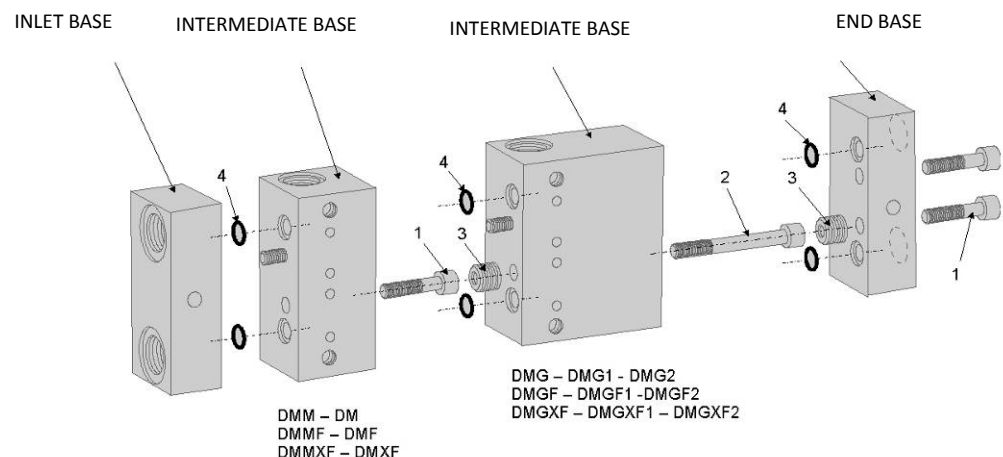
- ATEX CE Ex II2 GD Marking
- Single and Dual Outlet configuration information and Output values in cm<sup>3</sup> and Cu.inch
- Part Number and Work Order Production (batch) identification.

### The advantages of the Modular Dual Line System are:

- **Versatility in lubrication layout planning.**
- **Flexibility to expand or reduce the number of elements to meet changing requirements.**
- **Reduced spare parts, fewer parts in stock = lower inventory costs.**
- **Blanking plates can be provided to accommodate future requirements.**
- **Save on labour and piping costs; the Metering Valves can be serviced without disturbing the assembly or existing pipework.**
- **Lower maintenance costs; the modular concept provides lower cost replacement components.**

### INSTALLATION/OPERATION:

**The Base:** A modular base is made up of a minimum of three elements: inlet; intermediate and end.



## Applications

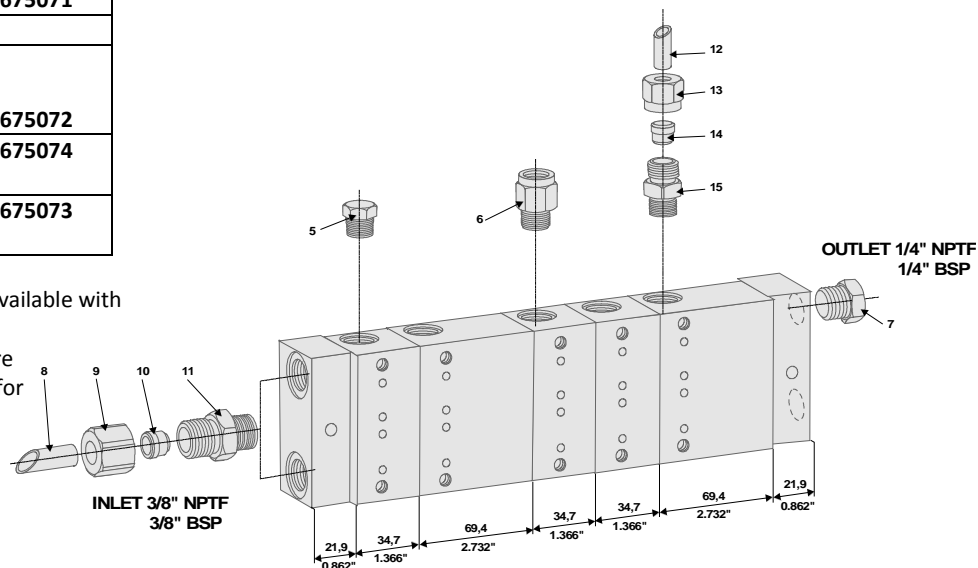
- Paper Machines
- Steel Plants
- Cement Works
- Coke Plant
- Large Cranes and Loading Equipment

### Key to Base Part Numbers:

Item	Description	Part No.	
		Nickel	St.Steel.
1	Screw	14090	675231
2	Screw	14095	675238
3	Thread insert	1523343	675217
4	'O' Ring (Viton)	18880	18880
5	Plug BSP	926001	519061
5	Plug NPTF	850304	519071
6	Check valve BSP	92313	519900
6	Check valve NPTF	92340	519901
7	Plug BSP	926002	519062
	Plug NPTF	850305	519072
8	Tube $\varnothing 10 - \varnothing 12 - \varnothing 16$		
9	Nut $\varnothing 10$	91406	519045
	$\varnothing 12$	91411	519046
	$\varnothing 16$	91416	519048
10	Ring $\varnothing 10$	91601	519015
	$\varnothing 12$	91607	519016
	$\varnothing 16$	91612	519018
11	Conn'tr steel $\varnothing 10$	91967	519115
	$\varnothing 12$	91975	519116
	$\varnothing 16$	91983	519127
	Conn'tr viton $\varnothing 10$	91652	519142
	$\varnothing 12$	91653	519143
	$\varnothing 16$	91664	519154
13	Nut $\varnothing 6$	91396	519043
	$\varnothing 8$	91401	519044
	$\varnothing 10$	91406	519045
14	Ring $\varnothing 6$	91590	519013
	$\varnothing 8$	91596	519014
	$\varnothing 10$	91601	519015
15	Conn'tr steel $\varnothing 06$	91952	519113
	$\varnothing 08$	91959	519114
	$\varnothing 10$	91966	519123
	Conn'tr viton $\varnothing 06$	91650	519140
	$\varnothing 08$	91651	519141
	$\varnothing 10$	91660	519150

Base	BSP	NPTF
Inlet (zinc)	675311	675321
Intermediate (zinc) for valve: <b>DMM-DM-DMMF-DMF</b>	675312	675322
<b>DMG-DMG1-DMG1-DMGF-DMGF1-DMGF2</b>	675314	675324
End (zinc)	675313	675323
Inlet (stainless)	675011	675071
Intermediate (stainless) for valve: <b>DMMX-DMX-DMMXF-DMXF</b>	675012	675072
<b>DMGX1-DMGX2-DMGX-DMGX1-DMGX2-DMGX</b>	675014	675074
End (stainless)	675013	675073

Each element is made of nickel or stainless steel and is available with UNI-ISO 7/1 (BSP-DIN) or NPTF threads. This concept can be extended to include up to 20 or more sections in a common assembly and eliminate the need for costly pipe and tubing connections. The Base specified will accommodate its specific Metering Valves.



### Metering Valves:

Metering Valves (adjustable)		
Discharge cu.in. (cm <sup>3</sup> )	Nickel plated	
	Part No.	Mark
.006 - .061 (0,1 - 1)	675335	DMM
.015 - .183 (0,25 - 3)	675300	DM
.031 - 1.46 (0,5 - 24)	675310	DMG
.031 - 2.44 (0,5 - 40)	675320	DMG1
2.98 - 5.36 (49 - 88)	675330	DMG2
Blanking Plate	675305	DBP

Metering Valves (adjustable)		
Discharge cu.in. (cm <sup>3</sup> )	St.Steel	
	Part No.	Mark
.006 - .061 (0,1 - 1)	675635	DMMX
.015 - .183 (0,25 - 3)	675600	DMX
.031 - 1.46 (0,5 - 24)	675610	DMGX
.031 - 2.44 (0,5 - 40)	675620	DMGX1
2.98 - 5.36 (49 - 88)	675630	DMGX2
Blanking Plate	675605	DBPX

Metering Valves (fixed)		
Discharge cu.in. (cm <sup>3</sup> )	Nickel plated	
	Part No.	Mark
.061 (1)	675385	DMMF
.183 (3)	675301	DMF
Blanking Plate	675305	DBP

Metering Valves (fixed)		
Discharge cu.in. (cm <sup>3</sup> )	St.Steel	
	Part No.	Mark
.061 (1)	675685	DMMXF
.183 (3)	675601	DMXF
1.46 (24)	675615	DMGXF
Blanking Plate	675605	DPBX

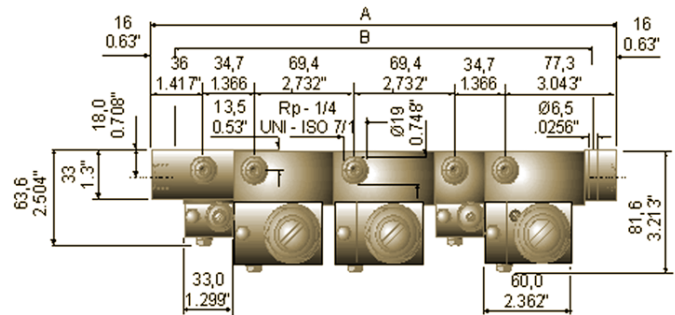
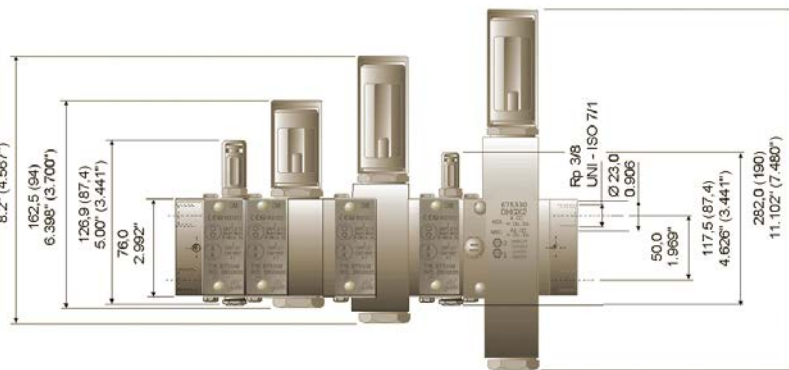
### Turret cover:

Turret cover.		
Part No.	Material	Mark
<b>622207</b>	Transparent	DMM
<b>622210</b>	Alluminium	DMMX
<b>671028</b>	Transparent	DM-DMX
<b>675524</b>	Transparent	DMG-DMGX
<b>675525</b>	Transparent	DMG1-DMGX1 DMG2-DMGX2

Base for valves	Value
DMM-DM-DMMF-DMF-DMMX- DMMXF-DMX-DMXF	<b>34,7 mm. (1.366 in.)</b>
DMG-DMGF-DMG1-DMGF1-DMG2- DMGF2-DMGX-DMGXF-DMGX1- DMGXF1-DMGX2-DMGXF2	<b>69,4 mm. (2.732 in.)</b>

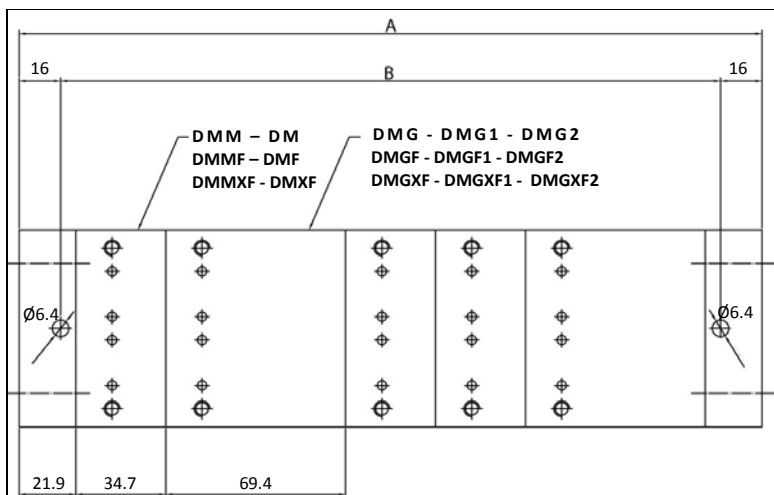
### Dimensions:

(Values in parenthesis are for fixed discharge).  
Dimension 'A' is obtained by adding to the dimensions of the Base Inlet and Base End 43,8 mm. (1.725") the following values for each Intermediate Base



Many possible configurations can be achieved by mounting different types of intermediate bases.

The example below shows a typical configuration. You can obtain A and B Dimensions by adding up the various dimensions of each type of base.



A	B
286.7 mm	254.7 mm
DMG - DMG1 - DMG2 DMGF - DMGF1 - DMGF2 DMGXF - DMGXF1 - DMGXF2	DMM - DM DMMF - DMF DMMXF - DMXF
69.4 mm	34.7 mm

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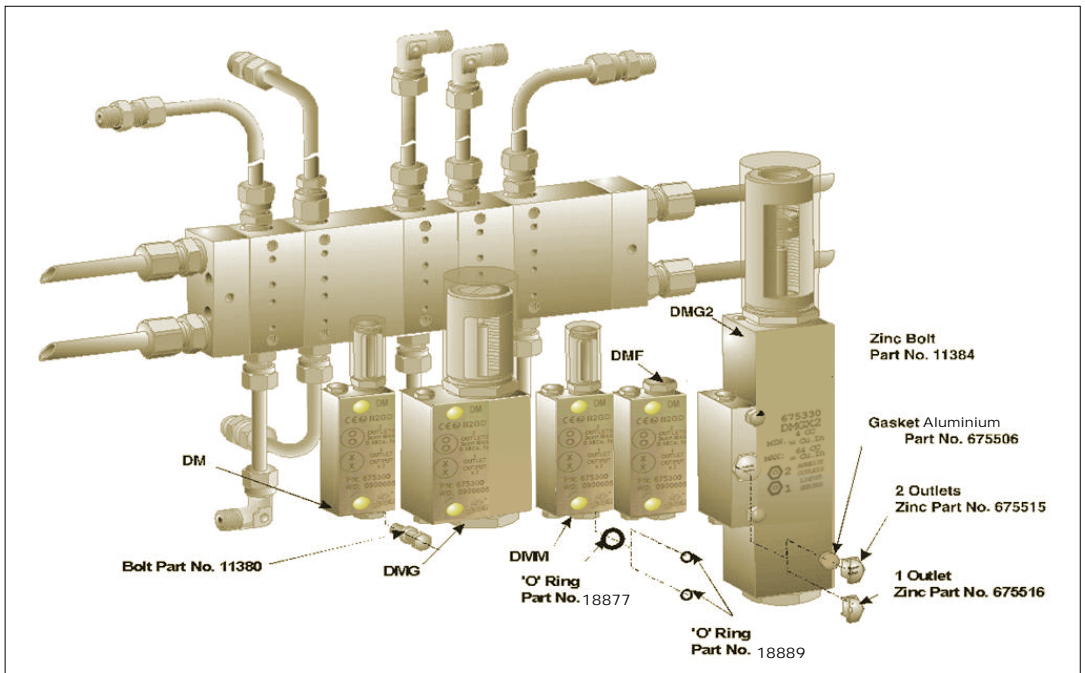
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## Modular Dual Line

TECHNICAL CHARACTERISTICS	
Temperature range:	-30oC to +80oC
Frequency:	100 cycles/minute.
Max. pressure (inlet):	400 bar
Lubricant:	<b>Min Viscosity:</b> 100 cSt <b>Grease Max.:</b> 265 ASTM (NLGI 2)*. (*) For different type of grease please contact your supplier
Base threads:	<b>Inlets:</b> 3/8" BSP or 3/8" NPTF. <b>Outlets:</b> 1/4" BSP or 1/4" NPTF.

### Spares:



### Order Information

Refer to the following ordering menu:

