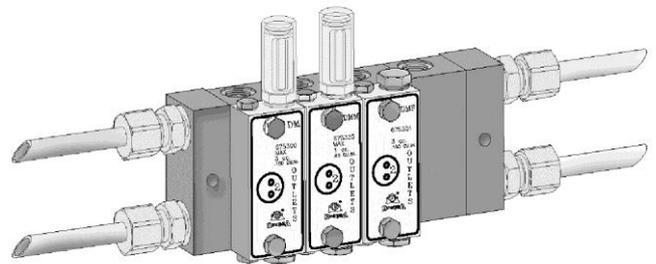


## CHARACTERISTICS

- LUBRICANT: OIL
- INLET: 3/8" BSP or NPTF
- OUTLET: 1/4" BSP or NPTF
- PRESSURE: 400 bar

## NEW METERING VALVES WITH BASES AND MODULAR VALVES MADE IN ZINC PLATED STEEL FOR DUAL AIR-OIL LUBRICATION

The modular metering valves for dual-line air-oil lubrication offer following benefits:  
 Versatile in layout planning.  
 Flexibility to expand or reduce the number of elements to meet changing requirements.  
 Cost reduction on labour and piping: the metering valves can be serviced without disturbing the assembly or existing pipe work.  
 Lower maintenance costs: the modular concept provides lower cost replacement components.  
 Reduced spare parts costs due to the interchange ability of the metering valves and their bases.



The new modular metering valves for dual-line air-oil system consist of two main parts:

### 1) BASE 2) METERING VALVE

Base and metering valves are made of zinc-plated steel and are available with inlets and outlets in UNI-ISO 7/1 (BSP). The valves can be supplied with adjustable or fixed discharge.  
 A blanking plate (part-No. 0675305 to be ordered separately) can be provided on the base, instead of the metering valve, to accommodate future additional points.

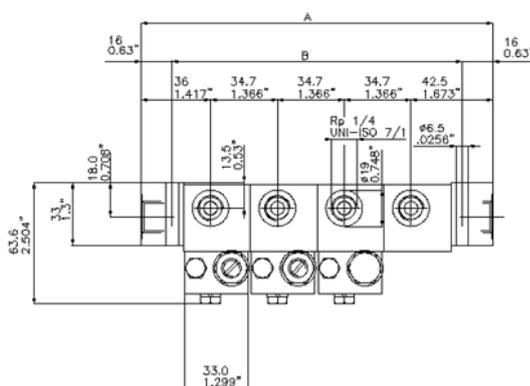
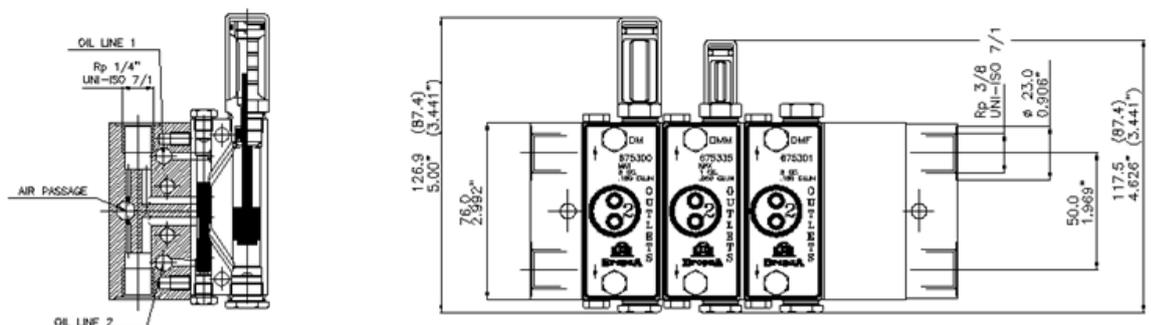
### TECHNICAL CHARACTERISTICS

|                       |                                 |
|-----------------------|---------------------------------|
| Lubricant Viscosity   | Oil min 15cSt / Oil max 460 cSt |
| Base Threads Inlet    | 3/8" BSP or NPTF                |
| Base Thread Outlet    | 1/4" BSP or NPTF                |
| Frequency             | 100 cycle / min.                |
| Max. Pressure (Inlet) | 400 bar (5800psi)               |
| Temperature Range     | -30°C (22°F) ÷ +80°C (+176°F)   |
| Air Pressure          | 1,5 ÷ 3,0 bar                   |

## APPLICATIONS

- ACCIAIERIE
- IMPIANTI SIDERURGICI
- CEMENTIFICIO

## DIMENSIONS (NOT TO SCALE)



Dimensions of fixed discharge valves (without turret) are shown in brackets.

Dimensions A is obtained by adding to the inlet, the intermediate for air and end bases (78.5 mm – 3.091 in.) 34.7mm (1.366 in.) for each intermediate base.

## MODULAR METERING VALVES

Body in zinc-plated steel, lapped holes, tempered and ground pistons to provide tightness without gaskets.

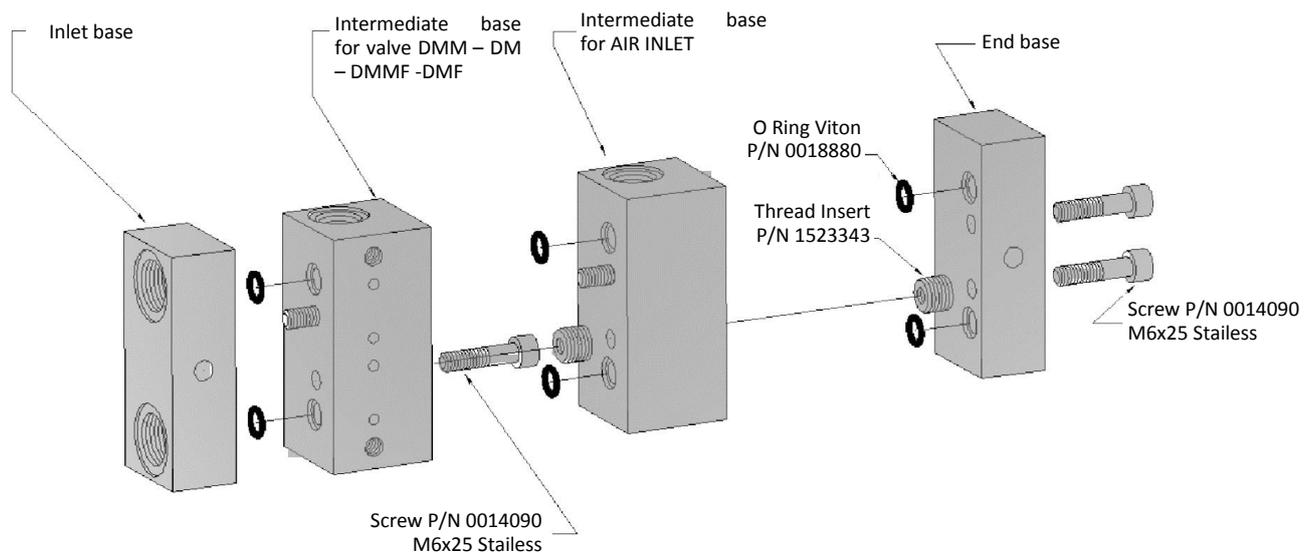
All pieces are galvanized. The valves with adjustable discharge are equipped with a turret fitted with adjusting screw and counter-screw.

## MODULAR BASES

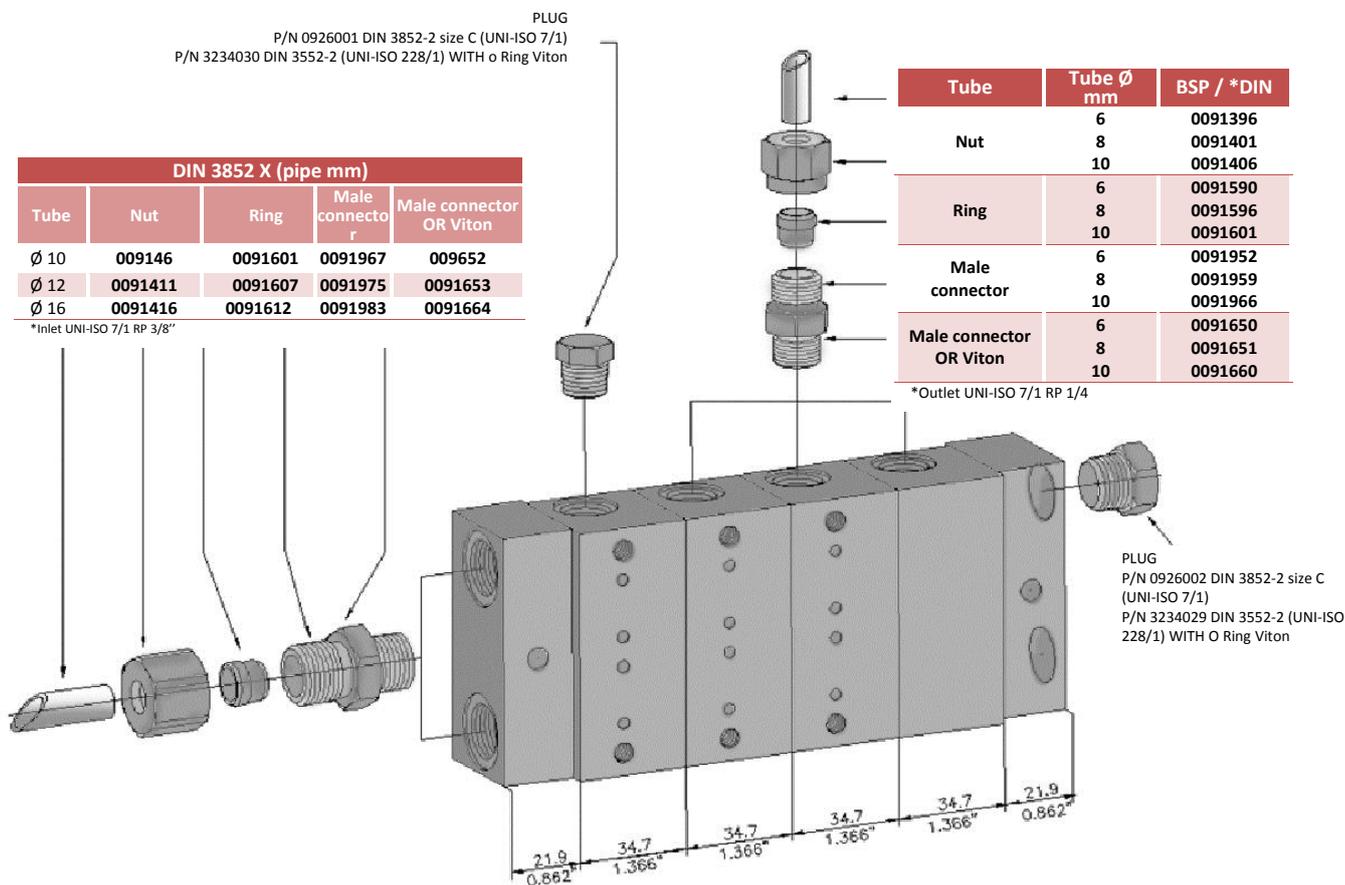
The base is made up of a minimum of four elements:

- Inlet base (1);
- Intermediate base (1 for each metering element);
- Intermediate base for air-inlet (1);
- End base (1);

This concept can be extended to include up to an unlimited number of sections in a common assembly by simply interposing the necessary intermediate bases between the inlet base and intermediate base for air inlet. Each element is made of galvanized zinc plated white steel.



| BASE                                  | BSP     |
|---------------------------------------|---------|
| INLET BASE                            | 0675311 |
| INTERMEDIATE BASE FOR VALVES AIR Ø1,5 | 0675392 |
| INTERMEDIATE BASE FOR AIR INLET       | 0675391 |
| END BASE                              | 0675313 |
| INTERMEDIATE BASE FOR VALVES AIR Ø2,5 | 0675394 |



Specify the thread, the number of metering elements and the mark of each metering valve by reading the assembly from left to right.

**NOTE:** if the valve assembly is the last on the machine's line you will have to order two plugs code **0926002** (UNI-ISO) to close the holes of the end base.

**CAUTION:** Valves are normally delivered two outlets. To use them for one outlet only proceed as follows:

- Unscrew the two fixing screw which lock the metering element to the base;
- Remove the two O-rings part-no. **0018902** which are fitted inside the O-ring part-no. **0061107**;
- Reassemble the metering element to the base, turning the label to arrangement the single outlet;



**ORDERING INFORMATION**

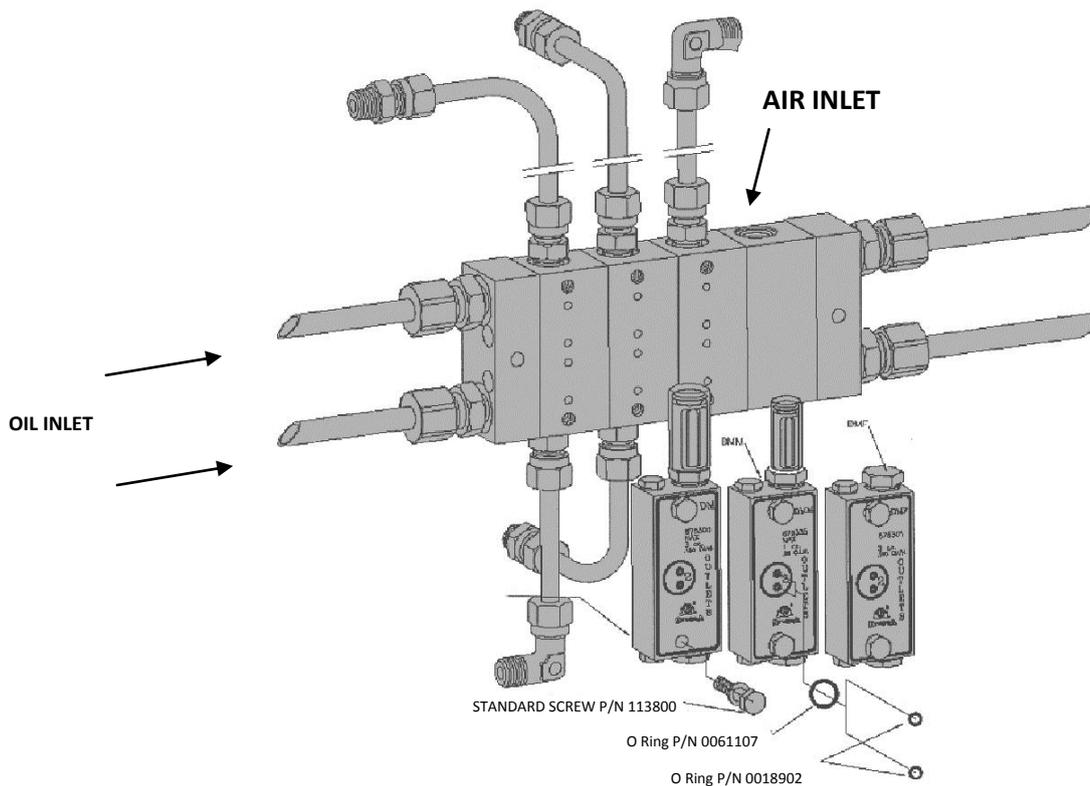
# DM Air / Oil

| ADJUSTABLE DISCHARGE |                         |                |      |
|----------------------|-------------------------|----------------|------|
| MARK                 | Cm <sup>3</sup> (cu.in) | BSP            | NPTF |
| DM                   | 0,25÷3,0 (.0153 ÷.183)  | <b>0675300</b> |      |
| DMM                  | 0,1÷1,0 (.0061 ÷.061)   | <b>0675335</b> |      |
| FIXED DISCHARGE      |                         |                |      |
| MARK                 | Cm <sup>3</sup> (cu.in) | BSP            | NPTF |
| DMF                  | 1,0 (.061)              | <b>0675301</b> |      |
| DMMF                 | 3,0 (.183)              | <b>0675385</b> |      |

| TURRET COVER |                |                |
|--------------|----------------|----------------|
| MARK         | PART NO.       | MATERIAL       |
| DM           | <b>0671028</b> | Metacrilycate* |
| DMM          | <b>0622210</b> | Aluminium**    |

\* Transparent cap in Aluminium on request

\*\* Transparent cap in Metacrilycate on request



| TURRET COVER   |            |                        |
|----------------|------------|------------------------|
| Material       | Valve mark | Part No.               |
| Aluminium**    | DMM        | <b>0618215+3190310</b> |
| Metacrilycate* | DM         | <b>0671095</b>         |

\*\* Transparent cap in metacrilycate on request.

\* Aluminium cap on request.

| BASE  | UNI-ISO        |
|---|----------------|
| Inlet base  | <b>0675311</b> |
| Intermediate base for valves DMM – DM-DMMF – DMF – 1.5 air hole | <b>0675392</b> |
| Intermediate base for air inlet                                 | <b>0675391</b> |
| End base  | <b>0675313</b> |
| Intermediate base for valves-DMM – DM-DMMF – DMF – 2.5 air hole | <b>0675394</b> |

**SPARES KITS:** Spare part kits, including adjusting turret & O-rings for connection to the base, are available on request.

| SPARE PARTS KIT      |                |                 |                |
|----------------------|----------------|-----------------|----------------|
| ADJUSTABLE DISCHARGE |                | FIXED DISCHARGE |                |
| VALVE TYPE           | KIT PART No    | VALVE TYPE      | KIT PART No    |
| DMM                  | <b>0675340</b> | DMMF            | <b>0675344</b> |
| DM                   | <b>0675341</b> | DMF             | <b>0675344</b> |

Distributor info:

**C1038PE WK 02/20**

Dropsa products can be purchased at Dropsa branches and authorised distributors. Go to [www.dropsa.com/contact](http://www.dropsa.com/contact) or write to [sales@dropsa.com](mailto:sales@dropsa.com)