

## CHARACTERISTICS

- **TEMPERATURE:**  
30 ÷ +80°C;
- **MAX. PRESSURE**  
(INCOMING): 400 BAR  
(5800 PSI.);
- **OPERATING CYCLES:**  
100/MIN.;
- **MIN VISCOSITY:**  
100 cSt (462 SSU);
- **GREASE MAX.:**  
265 ASTM (NLGI 2)\*
- **CONNECTIONS:**  
INLET: 1/4"  
OUTLET: 5/16" - 24NF

(\*) FOR DIFFERENT TYPES OF GREASE, CONTACT YOUR SUPPLIER.

## AP1 SERIES METERING VALVES CON ADJUSTABLE FLOW RATE FROM 0.1 – 1 CM3, FOR DUAL-LINE SYSTEMS

Special anti-friction steel body, lapped holes, tempered and lapped steel pistons for sealing without gaskets. Flow rate adjustment screws and locking screws to regulate flow rate, device to combine or separate the two outlets, galvanic treatment of particular exposed elements.

Normally, the metering valves are supplied with transparent caps made of methacrylate.

Furthermore, a anti-slip seal is provided on the regulation turrets. On request, the caps are also available in aluminium.



### GENERAL TECHNICAL CHARACTERISTICS

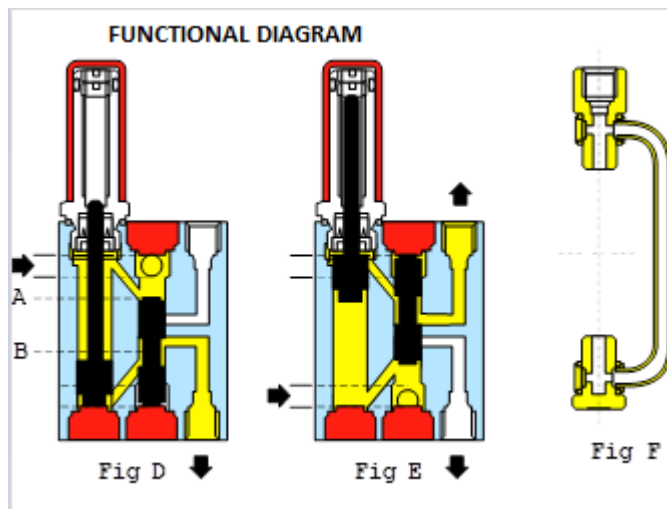
Viscosity	Oil min. 100cSt Grease max. NLGI 2
Inlet	1/4"
Outlet	5/16" - 24NF
Operating cycles	100 cycles/min.
Max. pressure (inlet)	400 bar (5800psi)
Temperature	-30°C (22°F) ÷ +80°C (+176°F)
Adjustable flow rate	0.1 - 1 cc. per stroke (.006 - .061 cu.in./stroke)

### INSTALLATION/FUNCTION

Each divider group consists of a servo-command piston (A) and a divider piston (B). Piston movements illustrated in Fig. D-E show the functioning of divider group with the alternation of supply of lubricant to the two lines.

Figure D-E separate outlets – Figure F bridge joint for using a single outlet.

The supply units are normally provided with two separate outlets, unless stated otherwise in the order.



The two outlets of each divider element are used in any case. If you want to use only one outlet, please use bridge junction, **part no. 0622030**, because the other outlet cannot be plugged.

The joint combines the flow rate of the two outlets into a single one, thereby doubling the flow rate of each element.

In this case, the maximum flow rate for each complete cycle goes from 0.1 ÷ 1 cm<sup>3</sup> to 0.2 ÷ 2 cm<sup>3</sup>.

### FIXING

For mounting on uneven surfaces, light-alloy gauges, **part no. 0622017**, to avoid deformations caused by excessive tightening torque.

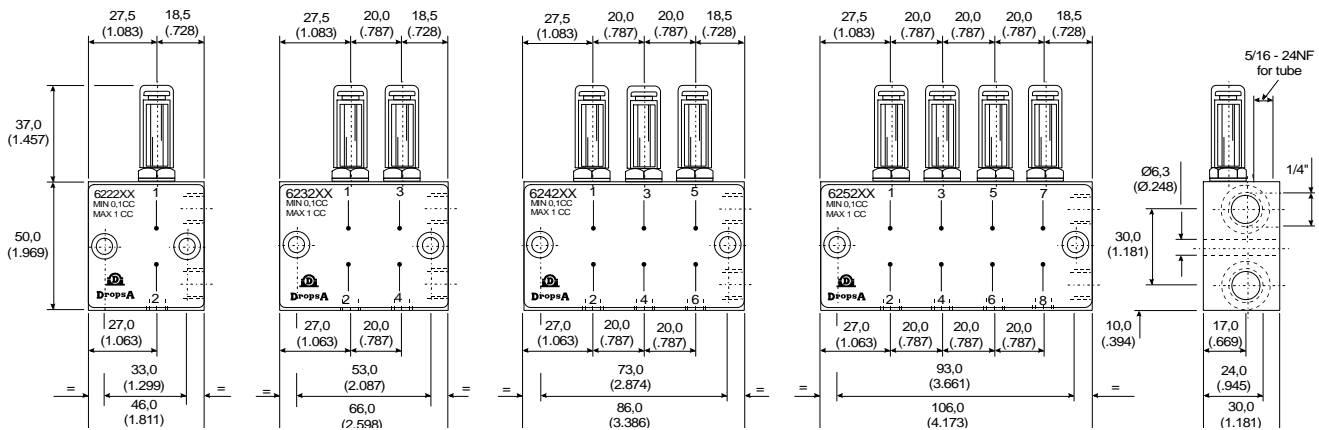
## CHARACTERISTICS

- Paper mills
- Steel plants
- Cement plants
- Large-scale loading and lifting equipment



# AP1 SERIES METERING VALVES

## DIMENSIONS (DRAWING NOT TO SCALE)



DROPSA STANDARD-DIN 3852 Ø mm				
PLUG	PIPE	NUT	RING	FITTING
0926001	6	0091396	0091590	0092337
	8	0091402	0091596	0092266
	10	0091406	0091601	0092242

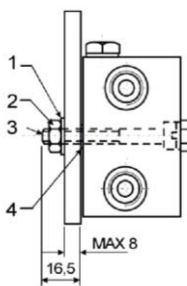
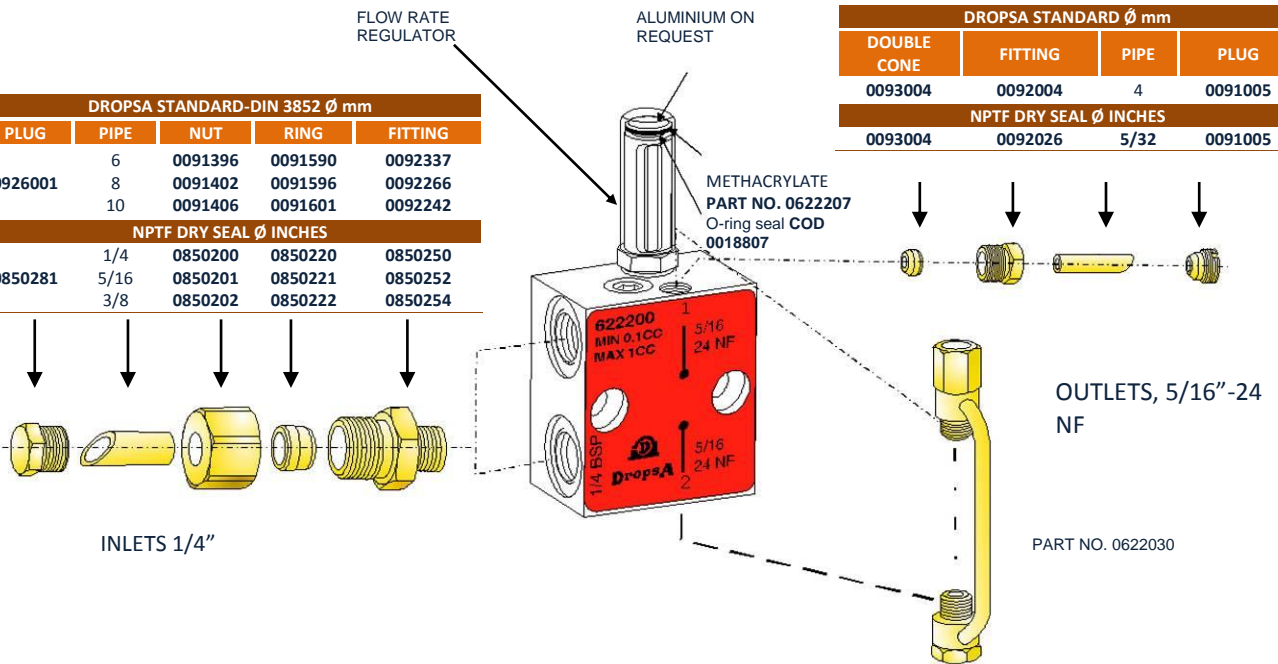
  

NPTF DRY SEAL Ø INCHES				
0850281	1/4	0850200	0850220	0850250
	5/16	0850201	0850221	0850252
	3/8	0850202	0850222	0850254

DROPSA STANDARD Ø mm			
DOUBLE CONE	FITTING	PIPE	PLUG
0093004	0092004	4	0091005

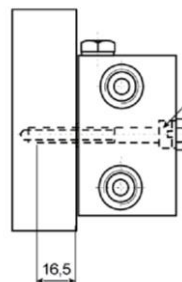
  

NPTF DRY SEAL Ø INCHES			
0093004	0092026	5/32	0091005

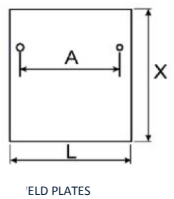


The particular items for attaching the metering valve indicating a \* must be ordered separately.

ITEM	PART NO.	No. PIECES	DESCRIPTION	
1*	0016009		Elastic washer	METRIC
2*	0016335	2	Nut M6	
3*	0012534		UNF hex. screws, ¼-28 7/16	
4	0622017		Gauge	
1*	0016012		Elastic washer	INCHES
2*	0016499	2	Nut M6	
3*	0012562		UNF hex. screws, ¼-28 7/16	
4	0622017		Gauge	



No.	PART NO.	DIMENSIONS IN MM (INCHES)		
		A	L	X
1	0111585	33 (1.29)	45 (1.77)	120 (4.72)
2	0111586	56 (2.08)	65 (2.55)	120 (4.72)
3	0111587	73 (2.87)	85 (3.34)	120 (4.72)
4	0111588	93 (3.66)	105 (4.13)	120 (4.72)



## ORDER INFORMATION

THREAD	WEIGHT		Number of outlets	PART NUMBER
	Kg.	Lbs.		
Dropsa Standard BSP	0.450	.99	1 - 2	622200
	0.660	1.45	2 - 4	623200
	0.900	1.98	3 - 6	624200
	1.10	2.42	4 - 8	625200
	0.450	.99	1 - 2	622260
NPTF	0.660	1.45	2 - 4	623260
	0.900	1.98	3 - 6	624260
	1.10	2.42	4 - 8	625260

Distributor info: