



METERING VALVE SERIES APF05 – APF1

FIXED FLOW RATE APF05 0.5 CM³ APF1 1 CM³ FOR DUAL-LINE LUBRIFICATION SYSTEMS

CHARACTERISTICS

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

Body made of special anti-friction steel, lapped holes, pistons made of lapped and tempered steel for seals without gaskets. The valves do not use regulation turrets and are used in special applications.

Device to combine or separate the two outlets, galvanic treatment of items exposed.

The metering valves are normally supplied regulated with the maximum flow rate except if specified differently in the order.



GENERAL TECHNICAL CHARACTERISTICS

Temperature	-30 ÷ +80°C.
Max. pressure	400 bar (5800 psi.)
Operating cycles	100/min
Min. oil viscosity	100cSt (462 SSU)
Greases, max.	265 ASTM (NLGI 2) *
Inlet	1/4"
Outlet	5/16"-24NF

(*) Contact your supplier for different types of grease.

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

INSTALLATION/OPERATION

Each divider group consists of a servo-control 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.

Figures D-E, separate outlets – Figure F bridge junction to use only one outlet.

The supplies are normally supplied 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, bridge junction **Part Number 0622030** is required because the other outlet cannot be plugged.

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

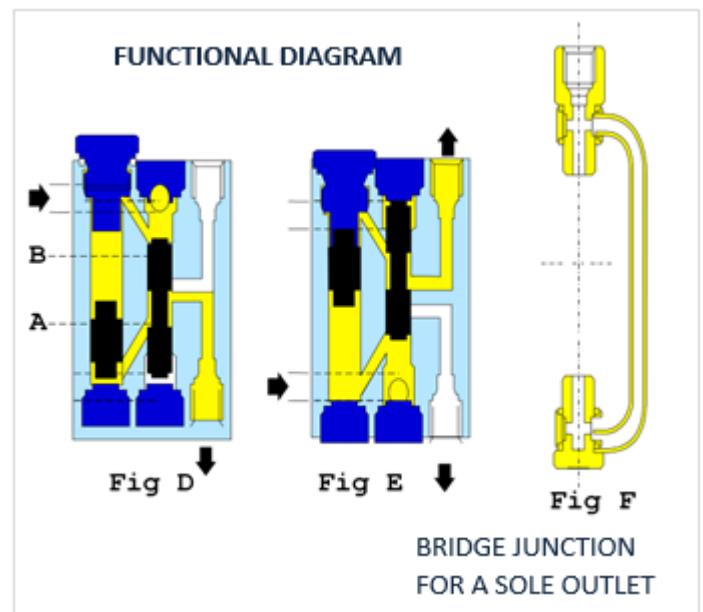
In this case, the maximum flow rate for each complete cycle passes from 0.1 ÷ 1 cm³ to 0.2 ÷ 2 cm³.

FITTING

For mounting on uneven surfaces, light alloy gauges **Part Number 0622017** to avoid deformations caused by tightening too much.

CHARACTERISTICS

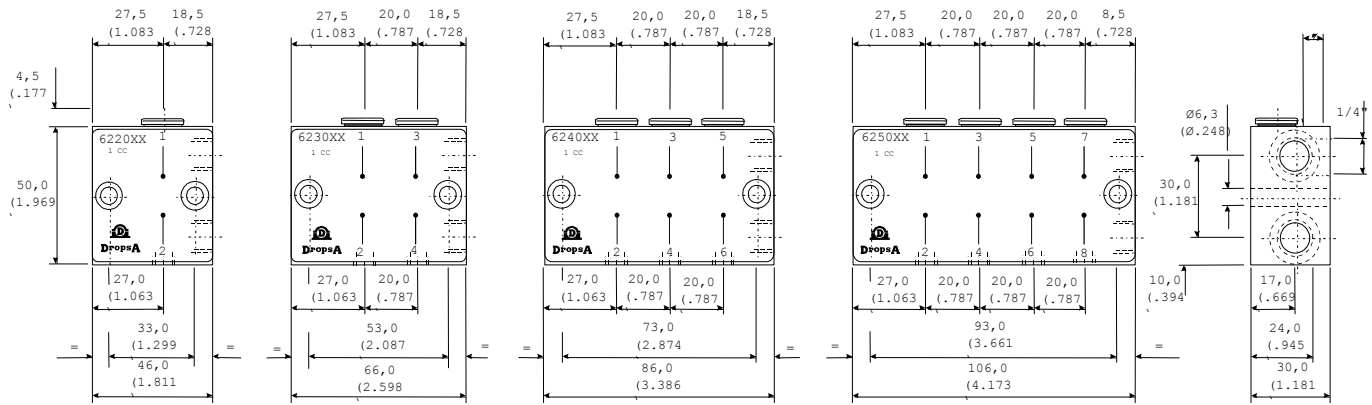
- Paper mills
- Steel plants
- Cement plants
- Large-scale loading and lifting equipment





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DIMENSIONS (DRAWING NOT TO SCALE)

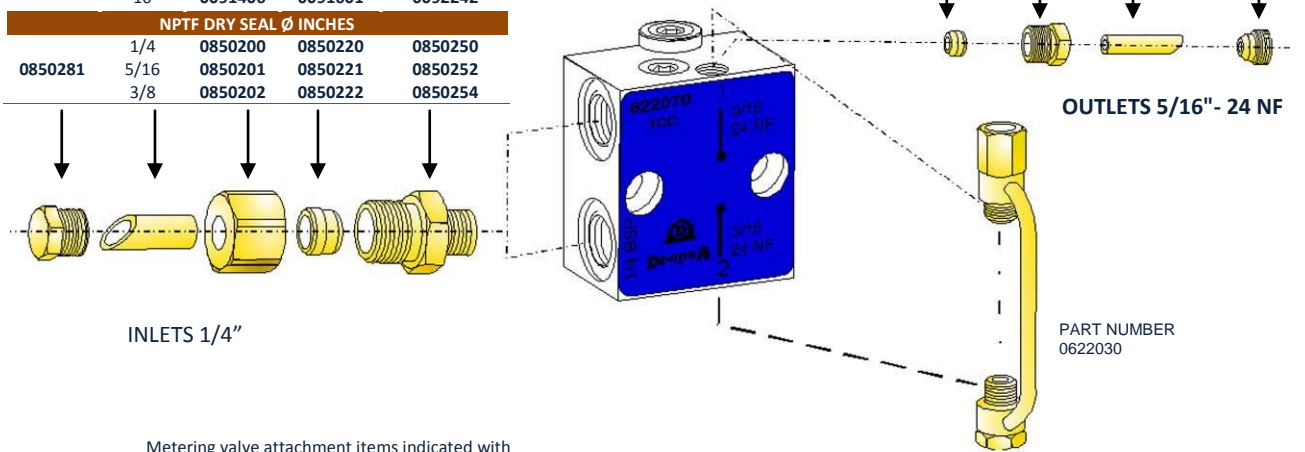


DROPSA STANDARD-DIN 3852 Ø mm				
PLUG	PIPE	NUT	RING	FITTING
0926001	6	0091396	0091590	0092337
	8	0091402	0091596	0092266
	10	0091406	0091601	0092242

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



INLETS 1/4"

OUTLETS 5/16"- 24 NF

PART NUMBER
0622030

Metering valve attachment items indicated with a * must be ordered separately.

ITEM	PART NUMBER	PARTS	DESCRIPTION	
1*	0016009		Elastic washer	METRIC
2*	0016335		NUT M6	
3*	0012534	2	Hex. screws, ¼-28 UNF 7/16	
4	0622017		Gauge	INCHES
1*	0016012		Elastic washer	
2*	0016499		NUT M6	
3*	0012562	2	Hex. screws, ¼-28 UNF 7/16	
4	0622017		Gauge	

	PART NUMBER	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.		APF05	APF1
Dropsa Standard BSP	0.430	.94	1 - 2	622060	622070
	0.620	1.36	2 - 4	623060	623070
	0.840	1.85	3 - 6	624060	624070
	1.00	2.20	4 - 8	625060	625070
NPTF	0.430	.94	1 - 2	622080	622090
	0.620	1.36	2 - 4	623080	623090
	0.840	1.85	3 - 6	624080	624090
	1.00	2.20	4 - 8	625080	625090

Distributor info: