

# Metering Valves Series BH



## CHARACTERISTICS

- **Operating pressure:**  
400 bar (5800 psi)
- **Work cycles:**  
max 100/minute
- **Temperature:**  
from -30°C to +80°C.
- **Lubricants:**  
265 ASTM (NLGI 2)

## Series BH

### DESCRIPTION

Anti friction steel body, lapped holes, lapped and temperate steel pistons for a superior sealing. Screw and counter screw for the adjustment and to join or separate the two outlets, galvanic treatment of the exposed parts. Normally the metering valves are supplied with methacrylate transparent caps. There's also a blocking system on the adjustment turrets. On request, the caps are also available in aluminium.



### TECHNICAL CHARACTERISTICS

**Temperature:** -30 ÷ +80°C.  
**Max pressure (inlet):** 400 bar (5800 psi.)  
**Work cycles:** 100/min.  
**Min. Viscosity:** 100 cSt (462 SSU)  
**Max. Grease:** 265 ASTM (NLGI 2)\*  
**Connections:**  
**inlet:** 1/4"  
**outlet:** 1/4"

(\* ) For different types of grease please contact your supplier.

The feeders are normally supplied with two separate outputs, unless otherwise indicated in the order.  
 If you want to use a single output just replace the sealing disc X **cod. 622077** with the sealing disc Y **cod. 622076**. (see drawing).  
 In this case the maximum flow rate for each complete cycle goes from 0,25 ÷ 1,5 cm<sup>3</sup> to 0,5 ÷ 3 cm<sup>3</sup>.

### FASTENING

For mounting on surfaces not flat are provided light alloy **cod. n 3008107** to avoid deformations caused by too tight a tightening.

## ORDERING INFORMATION

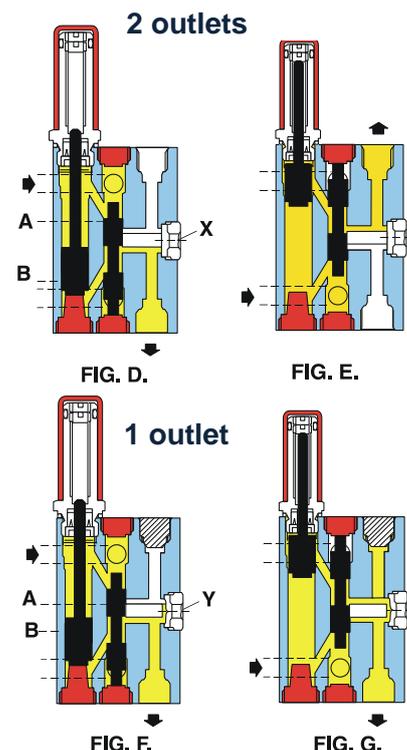
Thread	Cod.	Weight		N. outlets
		Kg.	Lbs.	
Standard BSP	<b>B-53254</b>	0,850	1.87	1-2
	<b>B-53255</b>	1,300	2.87	2-4
	<b>B-53256</b>	1,660	3.65	3-6
	<b>B-53257</b>	2,050	4.51	4-8
Din 3852 X BSP	<b>B-52532</b>	0,850	1.87	1-2
	<b>B-52534</b>	1,300	2.87	2-4
	<b>B-52536</b>	1,660	3.65	3-6
	<b>B-52538</b>	2,050	4.51	4-8
NPTF	<b>B-53258</b>	0,850	1.87	1-2
	<b>B-53259</b>	1,300	2.87	2-4
	<b>B-53260</b>	1,660	3.65	3-6
	<b>B-53261</b>	2,050	4.51	4-8

## INSTALLATION/OPERATION

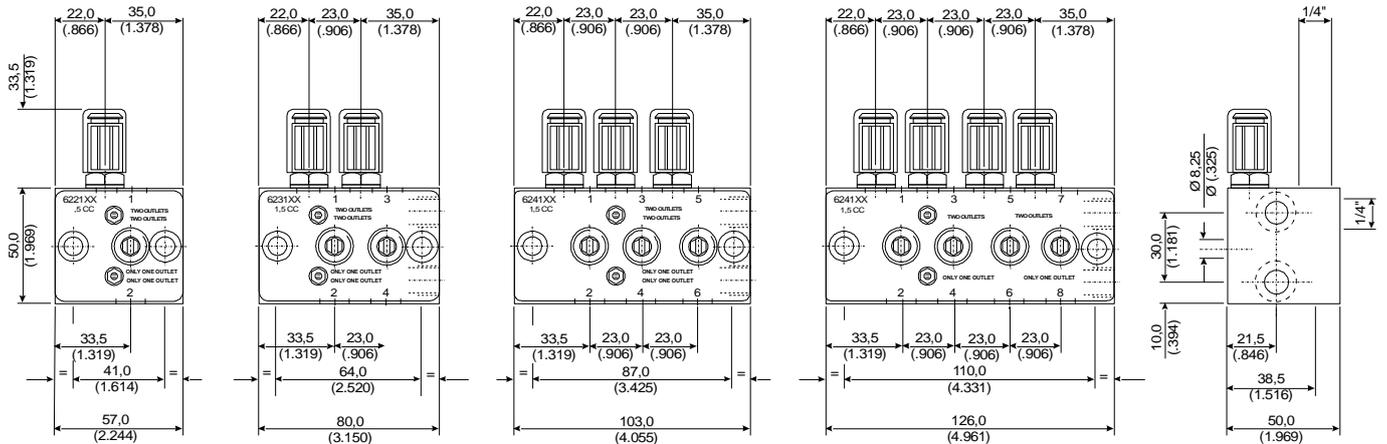
Each feeder discharge is composed by a servo-piston (A) and metering piston (B). The movement of the pistons shown in fig. D-E/F-G shows the operation of the dosing unit with the alternation of the lubricant supply in the two lines. Figures D-E separate outputs – Figure F-G with one output.

## APPLICATIONS

- Machine tools
- Medium size presses
- Packaging machines
- Presses for plastic injection
- Gearboxes



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1/4" BSP  
1/4" NPTF

NON RETURN VALVE TO BE APPLIED IF REQUIRED ON THE OUTLET OF THE HOSE CONNECTOR. TO BE ORDERED SEPARATELY.  
COD 92313 BSP  
COD 92340 NPTF

FLOW RATE REGULATOR  
COD 622157

ALUMINIUM ON REQUEST  
COD 622256  
METHACRYLATE  
COD 622160

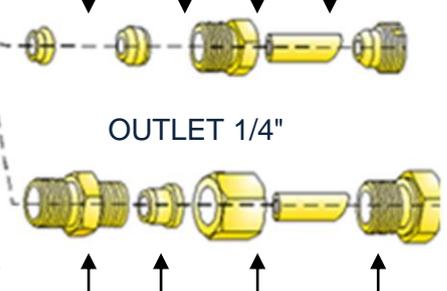
DROPSA STANDARD				
REDUCTION	DOUBLE CONE	NUT	Ø PIPE	CAP
671038	93006	92014	Ø 6	91011
671038	93008	92053	Ø 8	91011



DROPSA STANDARD-DIN 3852 BSP Ø mm				
CAP	Ø PIPE	NUT	RING	FITTING
926001	Ø8	91402	91596	92266
	Ø10	91406	91601	92242
	Ø12	91411	91607	92198
NPTF DRY SEAL Ø INCHES				
850281	5/16	850201	850221	850252
	3/8	850202	850222	850254
	1/2	850203	850223	850256

\*622077

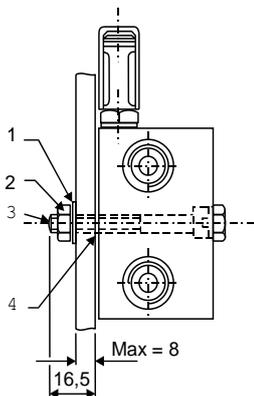
\*622076



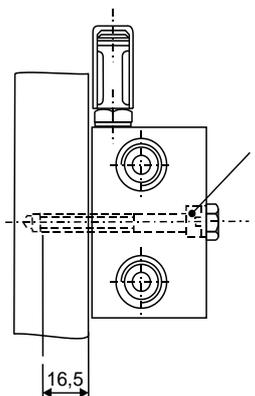
DIN 3852 BSP Ø mm				
FITTING	RING	NUT	Ø PIPE	CAP
91952	91590	91396	Ø6	622167
91959	91596	91401	Ø8	
91966	91601	91406	Ø10	
NPTF DRY SEAL Ø INCHES				
850250	850220	850200	1/4	850250
850252	850221	850201	5/6	
850254	850222	850202	3/8	

\*THE SEALING DISC FOR TWO OUTPUTS IS MARKED AT THE HEAD WITH TWO PARALLEL MARKS COD 622077, WHILE THE ONE-WAY SEALING DISC IS MARKED IN THE CENTRE WITH A SMALL CIRCLE COD 622076.

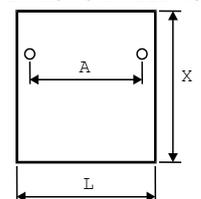
The fixing details of the dosing valve indicated with • Must be ordered separately.



Pos.	Cod.	Qty.	Description	
•1	16012	2	Elastic washer	Metric
•2	16406	2	M8 Nut	
•3	12552	2	Screw TC M8 x 60	
•4	3008107	2	Socket	
•1	16012	2	Elastic washer	Inch
•2	16500	2	Nut 5/16-24 UNF x 2-1/2	
•3	12561	2	Screw 5/16-24 UNF x 2-1/2	
•4	3008107	2	Socket	



PLATES FOR WELDING



N.	Cod.	Dimensions (inches)		
		A	L	X
1	111581	41 (1.614")	60 (2.362")	140 (5.511")
2	111582	64 (2.520")	85 (3.346")	140 (5.511")
3	111583	87 (3.425")	110 (4.330")	140 (5.511")
4	111584	110 (4.330")	130 (5.118")	140 (5.511")