

SLACK & PARR HYDRAULICS LIMITED

POSITIVE DISPLACEMENT FLOW METER

TYPE FML



SLACK & PARR HYDRAULICS

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Maximum Pressure 500 Bar - Accuracy +/- 1%

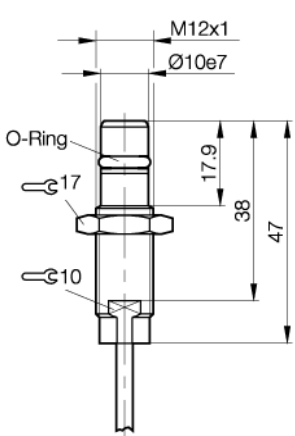
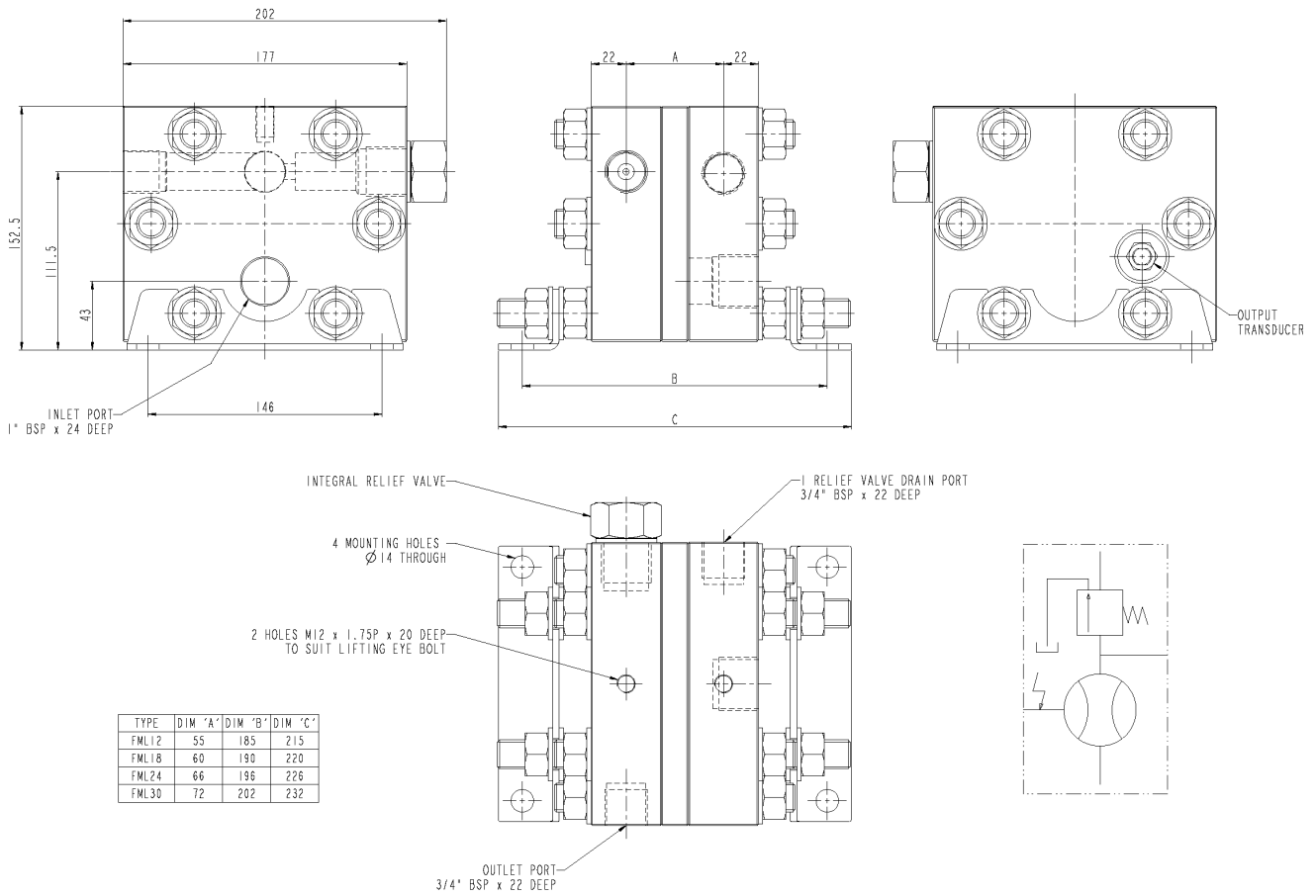
ORDER CODE	DISPLACEMENT PER SECTION	MINIMUM LPM @ DP	MAXIMUM LPM @ DP
FML12	12CC/REV	3 @ < 1 BAR	36 @ 6 BAR
FML18	18CC/REV	4.5 @ < 1 BAR	54 @ 4 BAR
FML24	24CC/REV	6 @ < 1 BAR	72 @ 3 BAR
FML30	30CC/REV	7.5 @ < 1 BAR	90 @ 2.5 BAR

Results using Hydraulic 32 Oil at 20 °C

Port Sizes:	1 BSP Inlet 3/4 BSP Outlet
Material:	SG Cast Iron. Hardened Stainless Tool Steel ground Gears and Spindles.
Seals:	Viton
Temp:	- 20 °C - + 80 °C
Filtration:	10 Microns
Viscosity Range:	10 - 320 cSt

A variety of media can be used, application details to be submitted. All data are factory conditions

GENERAL INFORMATION



PX0397

Electrical data:

Connection
Rated operational voltage 24DC V
Rated operational current (Ie) 200 mA
Time delay before availability 50 ms
Electrical type DC
Utilisation category DC 13
Hysteresis max (H) 15 %
No-load supply current d. 8 mA
Off state current max (Ir) 10 µA
Ripple of power supply = 15 %
Switching output PNP
Switching element function NO
Operating frequency (f) 2000 Hz
Voltage drop static max 2 V
Supply voltage max DC (UB) 30 V
Supply voltage min DC (UB) 10 V

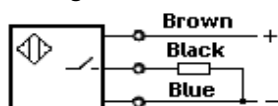
Mechanical data:

Number of wires 3 - wire
Rated operating distance (sn) 1,5 mm
Diameter M12 x 1 mm
Assured operating distance 0...1,2 mm
Factory set.
Ambient temperature max + 80 °C
Ambient temperature min - 25 °C
Degree of pollution 3
Sensing face material EP (Duroplast)
Housing material 1.4104
Repeat accuracy max. @ = 5 %

General data:

Short Circuit Yes
Degree of protection IP IP68 per BWN Pr 20
Protected against polarity reversal Yes
Approval CE
Features Oil pressure rated up to 500

Wiring



Distributor Stamp: