

SLACK & PARR HYDRAULICS LIMITED

POSITIVE DISPLACEMENT FLOW METER

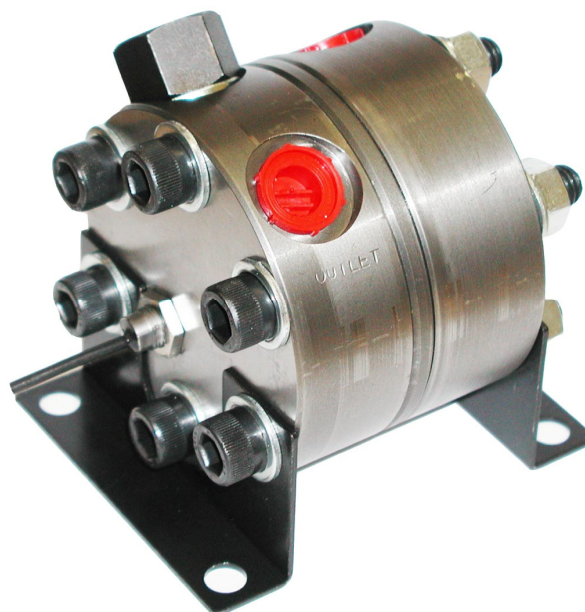
TYPE FMR



SLACK & PARR HYDRAULICS

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Maximum Pressure 500 Bar - Accuracy +/- 1%

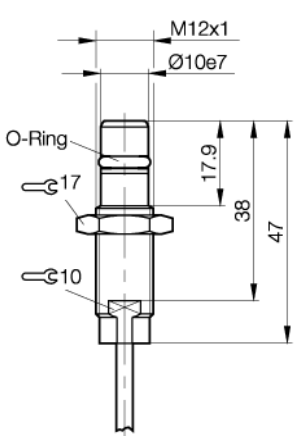
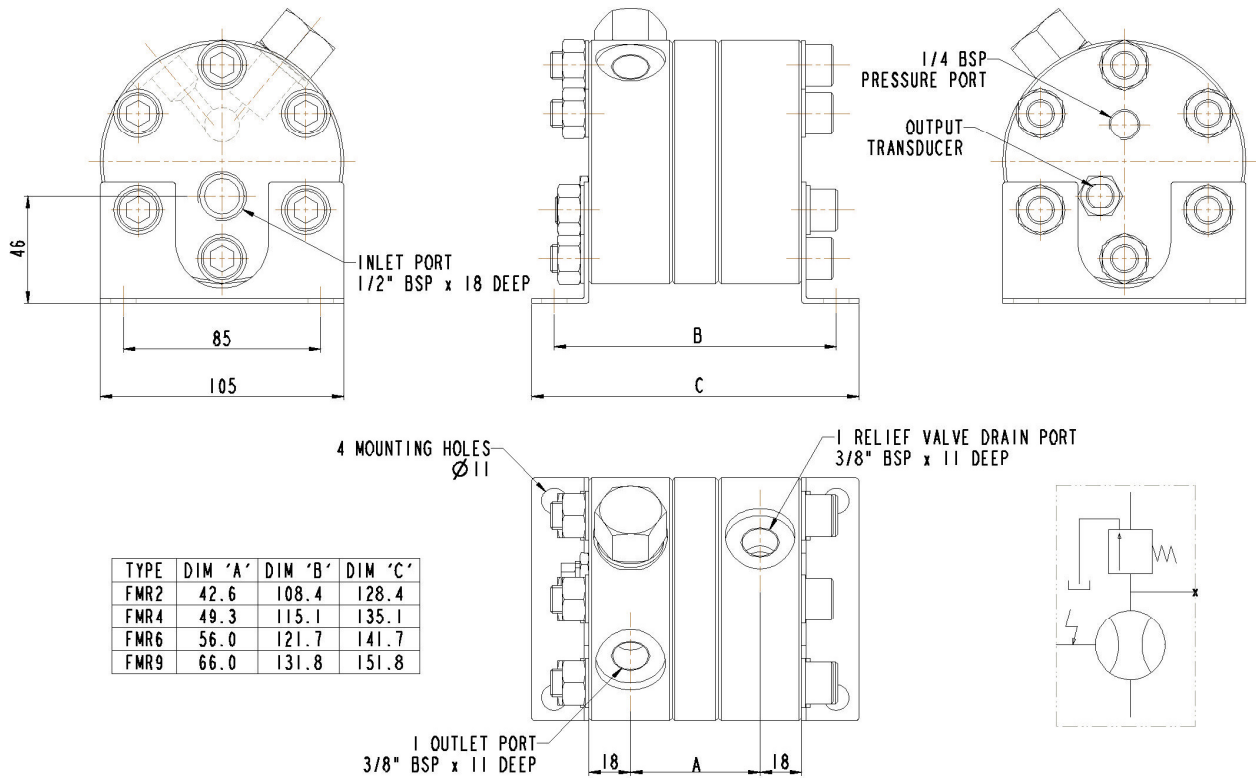
ORDER CODE	DISPLACEMENT PER SECTION	MINIMUM LPM @ DP	MAXIMUM LPM @ DP
FMR2	2CC/REV	0.5 @ 1 BAR	6 @ 7 BAR
FMR4	4CC/REV	1 @ < 1 BAR	12 @ 4 BAR
FMR6	6CC/REV	1.5 @ < 1 BAR	18 @ 3 BAR
FMR9	9CC/REV	2.25 @ < 1 BAR	27 @ 2 BAR

Results using Hydraulic 32 Oil at 20 °C

Port Sizes:	1/2 BSP Inlet	3/8 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



Electrical data:

Connection
 Rated operational voltage
 Rated operational current (I_e)
 Time delay before availability
 Electrical type
 Utilisation category
 Hysteresis max (H)
 No-load supply current I_d
 Off state current max (I_r)
 Ripple of power supply
 Switching output
 Switching element function
 Operating frequency (f)
 Voltage drop static max
 Supply voltage max DC (UB)
 Supply voltage min DC (UB)

Cable
 24DC V
 200 mA
 50 ms
 DC
 DC 13
 15 %
 8 mA
 10 µA
 = 15 %
 PNP
 NO
 2000 Hz
 2 V
 30 V
 10 V

Mechanical data:

Number of wires
 Rated operating distance (sn)
 Diameter
 Assured operating distance
 Ambient temperature max
 Ambient temperature min
 Degree of pollution
 Sensing face material
 Housing material
 Repeat accuracy max. @

3 - wire
 1,5 mm
 M12 x 1 mm
 0...1,2 mm
 Factory set.
 + 80 °C
 - 25 °C
 3
 EP (Duroplast)
 1.4104
 = 5 %

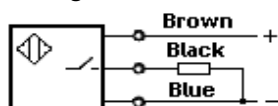
PX0397

General data:

Short Circuit
 Degree of protection IP
 Protected against polarity reversal
 Approval
 Features

Yes
 IP68 per BWN Pr 20
 Yes
 CE
 Oil pressure rated up to 500

Wiring



Distributor Stamp: