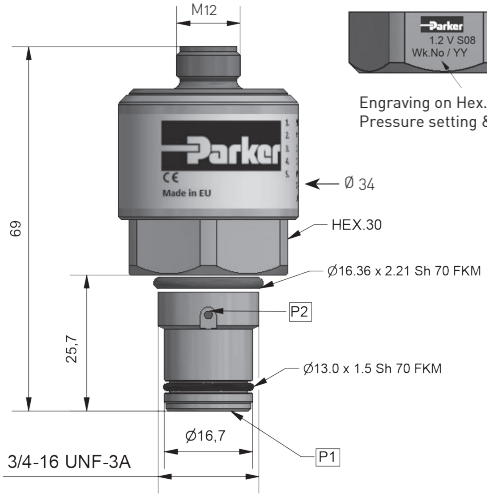
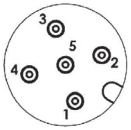
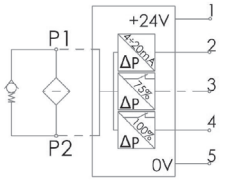
DPIC3_VS08MM51

CONTINUOUS ELECTRONIC DIFFERENTIAL PRESSURE INDICATOR N.C.



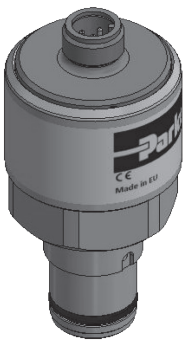
Engraving on Hex.
Pressure setting & thread code





P1: High pressure, P2: Low pressure

ELECTRICAL SPECIFICATIONS	
M12 – 5 PIN	
PIN 1	24 V±10%
PIN 2	Analogue Output 4÷20mA - see note1
PIN 3	Digital output 1 calibrated at 75%-PNP N.C. Max Load 0,2A
PIN 4	Digital output 2 calibrated at 100% -PNP N.C. Max Load 0,2A
PIN 5	0V - GND
TIME	Time activate = 3s; Time response: Analog Out ~0.2s, Digital Out ~0.1s
Thermal lockout	T*= 20°C±2°. Note: if T<T*: digital Out.1 N.C., digital Out.2 N.C., Analogue Out: 3mA
note1	If Input<25%FS Analogue signal Output is costant 4mA



TECHNICAL SPECIFICATIONS	
Max pressure (p1=p2)	450 bar
Proof pressure	675 bar
Max differ. pressure (p1-p2)	200 bar
Working temperature range	-20° to +80°C
Body material	Brass
Torque	50 Nm
Protection degree	IP67

The power supply of the sensor must be provided by a dedicated voltage source and not by a distributed dc network. (refer to table 1 note G of EN 61326-1)

SEAL KIT	SEAL CODES	ORDERING CODE
Fluoroelastomer	V	930000298
CONNECTING TABLE		
CABLE		ORDERING CODE
M12 5-pole straight plug, 10m		SCK-400-10-45
M12 5-pole 90° angled plug, 10m		SCK-400-10-55

INDICATOR SELECTION TABLE			
DP SETTING	DP CODE	ORDERING CODE	MARKING CODE
1.0 ±10% FS	F	DPIC3FVS08MM51	C3 1.0 V S08
1.2 ±10% FS	G	DPIC3GVS08MM51	C3 1.2 V S08
2.5 ±10% FS	K	DPIC3KVS08MM51	C3 2.5 V S08
3.5 ±10% FS	L	DPIC3LVS08MM51	C3 3.5 V S08
5.0 ±10% FS	M	DPIC3MVS08MM51	C3 5.0 V S08

Parker Hannifin / Hydraulic Filtration EMEA
Orders and inquiries: please contact your local Parker representative.

ASSEMBLY INSTRUCTION DPIC3

Make sure to install indicator to the filter head before filter is installed to the system.

All relevant safety regulations must be met.

This indicator comes with S08 thread, which is used in EPF and GMF filters. Please note that there are other filters using U12H, U14M or U14H threads.

INSTALLING INDICATOR TO FILTER HEAD

Remove the indicator port plug (Fig. 1) or the indicator plug (Fig. 2).

Lubricate indicator on the thread side with industrial grade grease (Fig. 3) or oil (Fig. 4) properly.

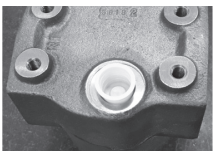


Fig. 1


Fig. 2


Fig. 3

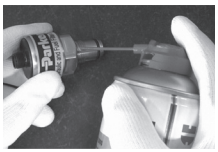


Fig. 4

TIGHTENING SEQUENCE

Clean indicator port to be dust and moisture free (Fig. 5 and 6).

Insert indicator to indicator port. Exert pressure from top of the indicator to overcome hardness and tighten indicator turning clockwise (Fig. 7).

Use size 30 wrench to complete the tightening to 50Nm (Fig. 8).

Do not attempt to turn the indicator by means from plastic part, otherwise it could be damaged beyond further use.


Fig. 5


Fig. 6

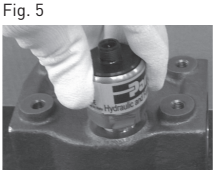


Fig. 7

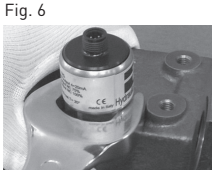
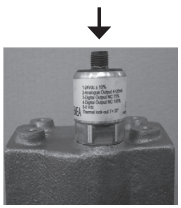
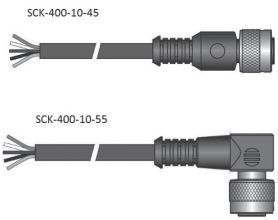


Fig. 8

CONNECTING CABLE TO INDICATOR

Cable connection point





Depending on orientation of indicator please choose straight or 90° bend sensor cable for powering.

Always connect cable after mounting indicator on filter head. Power supply must be off when connecting indicator with cable to avoid electrocution. Power supply for sensor must be provided by dedicated voltage source not by distributed DC network. Please be careful when connecting the cable to the indicator. Make sure connection cable is not under tension or slugghish. If the indicator is not working properly, check external o-rings and replace if necessary. If this will not fix the problem, please replace the indicator.