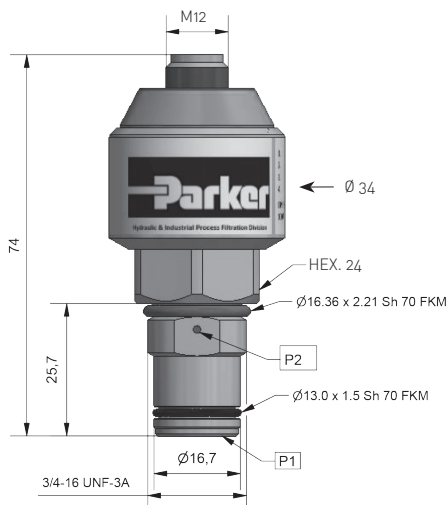


DPIF1_VS08MM41

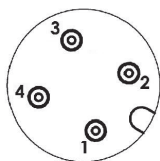
ELECTRONIC DIFFERENTIAL
PRESSURE INDICATOR N.O.



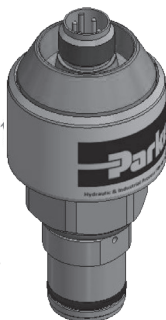
P1: High pressure, P2: Low pressure



Engraving on Hex.
Pressure setting & thread code



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)



LED lights changes to show element clogging status over a range of pressure differential.

VISUAL OUTPUT		
NORMAL FUNCTION IF T>T* (TLO)		
RANGE (%FS)	COLOR	
0-50	Continuous GREEN – Normal working condition	
50-75	Continuous YELLOW – Element to be changed in near future, spare element planned to be available.	
75-100	Continuous ORANGE – Schedule for element change soon.	
100-120	Continuous RED – Element needs to be changed.	
→120	Blinking RED – Overdue	
COLD CONDITION IF T<T* (TLO)		
RANGE (%FS)	Color	
0-120	BLUE – Oil temperature below operation temperature.	
ELECTRICAL SPECIFICATIONS		
M12 – 4 PIN		
PIN 1	24 V±10%	
PIN 3	0V – GND	
PIN 4	Digital output 1 calibrated at 75%-Max Load 0,2A	
PIN 2	Digital output 2 calibrated at 100%-Max Load 0,2A	
TECHNICAL SPECIFICATIONS		
Max pressure (p1=p2)	450 bar	
Proof pressure	675 bar	
Max differ. pressure (p1-p2)	210 bar	
Working temperature range	-20° to +80°C	
Body material	Brass	
Thermal lockout (TLO) default	T* = +20°C ; output N.O. if T<T*	
Max torque	50 Nm	
Time to activate	3 sec.	
Protection degree	IP67	
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	ELECTRICAL PROPERTIES (OUT1,OUT2)
1.2 ±5% FS	G	DPIF1GV508MM41	F1 1.0 S08	PNP - N.O. - N.O.
2.5 ±5% FS	K	DPIF1KV508MM41	F1 2.5 S08	PNP - N.O. - N.O.
3.5 ±5% FS	L	DPIF1LV508MM41	F1 1.5 S08	PNP - N.O. - N.O.
5.0 ±5% FS	M	DPIF1MV508MM41	F1 5.0 S08	PNP - N.O. - N.O.

Parker reserves the right to change or discontinue any model or specification at any time and without notice.

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

20346 A

ASSEMBLY INSTRUCTION DPIF1



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

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.

All relevant safety regulations must be met.

INSTALLING INDICATOR TO FILTER HEAD

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



Fig. 1



Fig. 2

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



Fig. 3



Fig. 4

TIGHTENING SEQUENCE

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

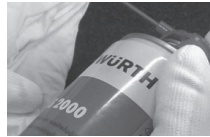


Fig. 5



Fig. 6

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



Fig. 7



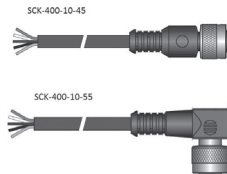
Fig. 8

Use size 24 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.

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 sluggish. 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.