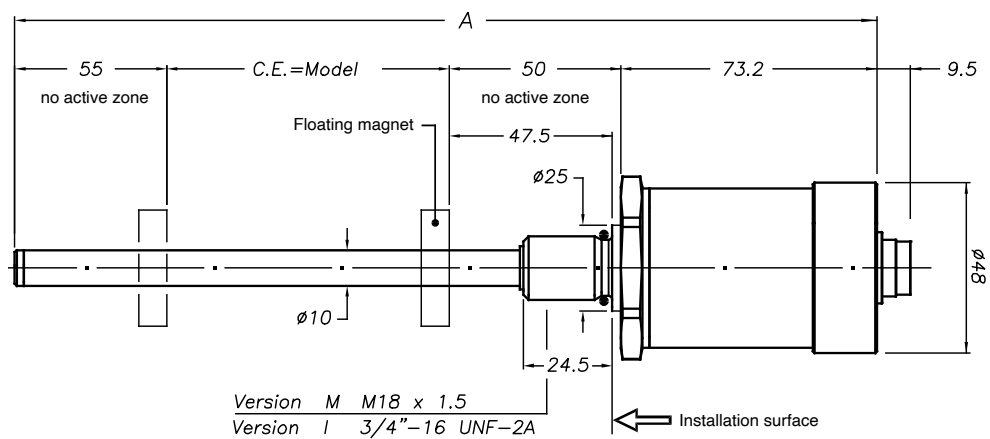
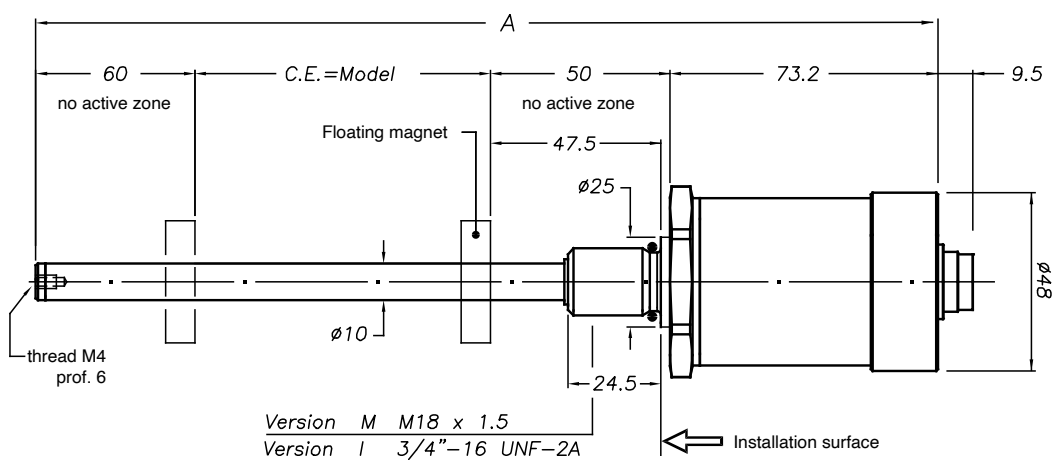


MECHANICAL DIMENSIONS

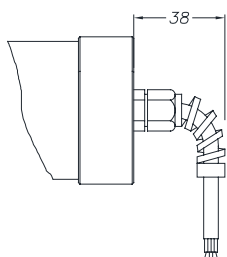
Strokes from 50 to 1000 mm



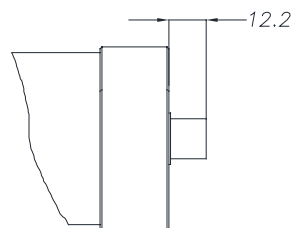
Strokes from 1100 to 2500 mm



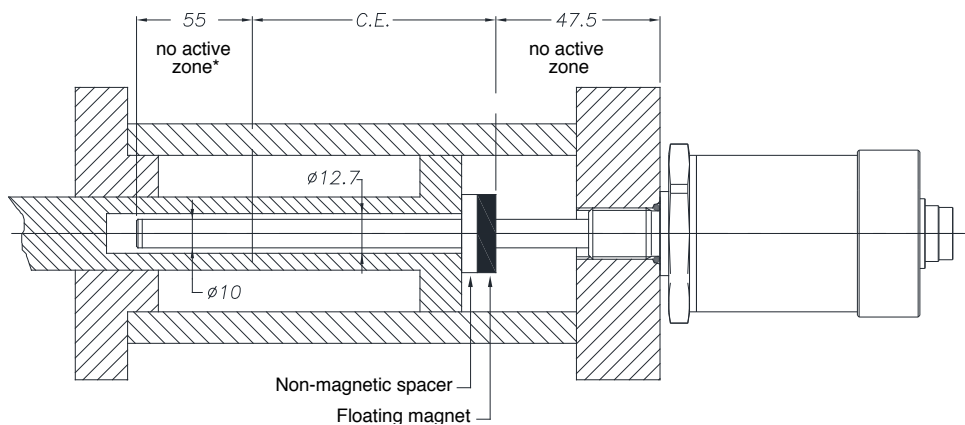
WRP-A-F/R cable output



WRP-A-A/B/C/H connector output

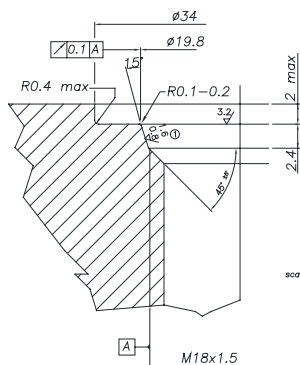


MOUNTING INSIDE A CYLINDER



* for stroke up to 1000 mm (included) – over 1000 mm, the non-active zone becomes 60 mm because the tip includes a M4 threaded hole

INSTALLATION INSIDE A CYLINDER

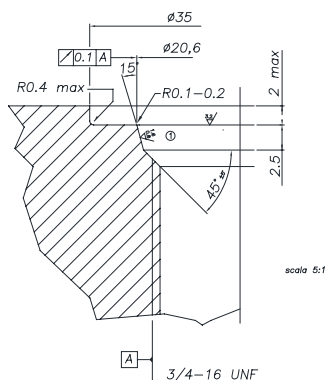
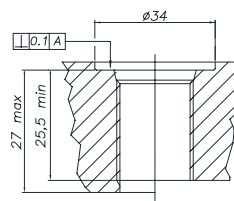


① THREAD M18x1,5

The sealing surface must be free from scratches longitudinal or spiral
 Ro 1.6 µm for sealing with NON-pulsating pressure
 Ro 0.8 µm for seals with pulsating pressure

Suggested o-ring:

PARKER 6-349 15,4x2,1
 Material: Viton 90° Shore-A
 Mixes: PARKER N552-90

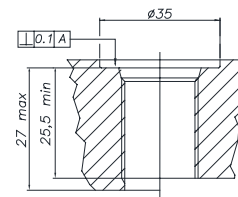


① THREAD 3/4"-16UNF

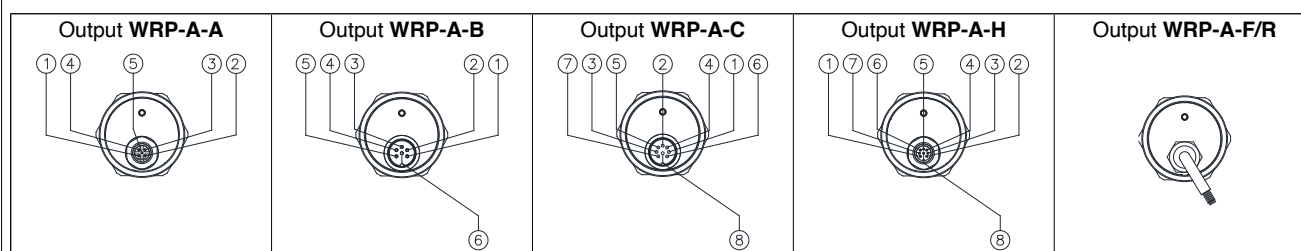
The sealing surface must be free from scratches longitudinal or spiral
 Ro 1.6 µm for sealing with NON-pulsating pressure
 Ro 0.8 µm for seals with pulsating pressure

Suggested o-ring:

PARKER 3-908 16,36x2,21
 Material: Viton 90° Shore-A
 Mixes: PARKER N552-90



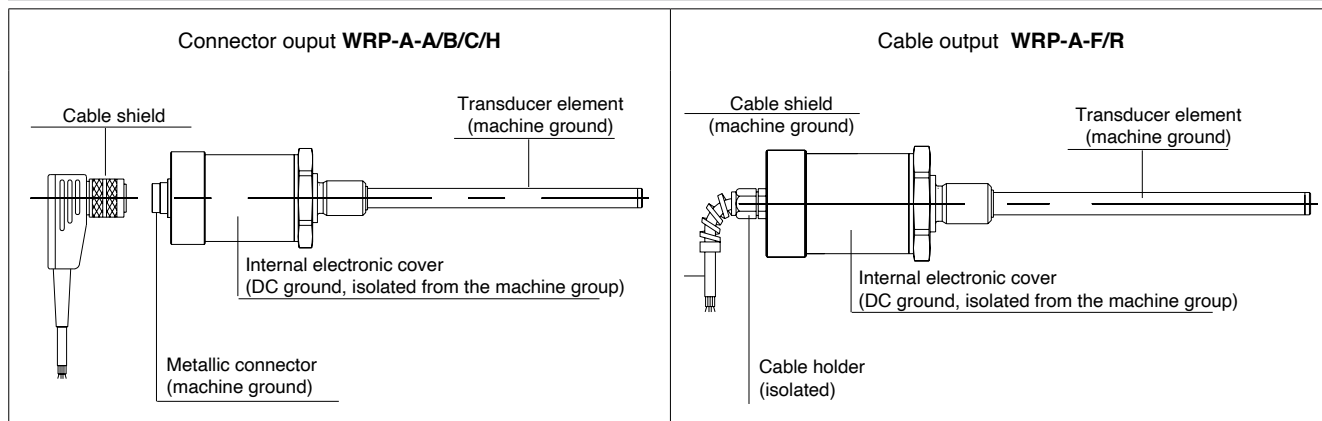
ELECTRICAL CONNECTIONS



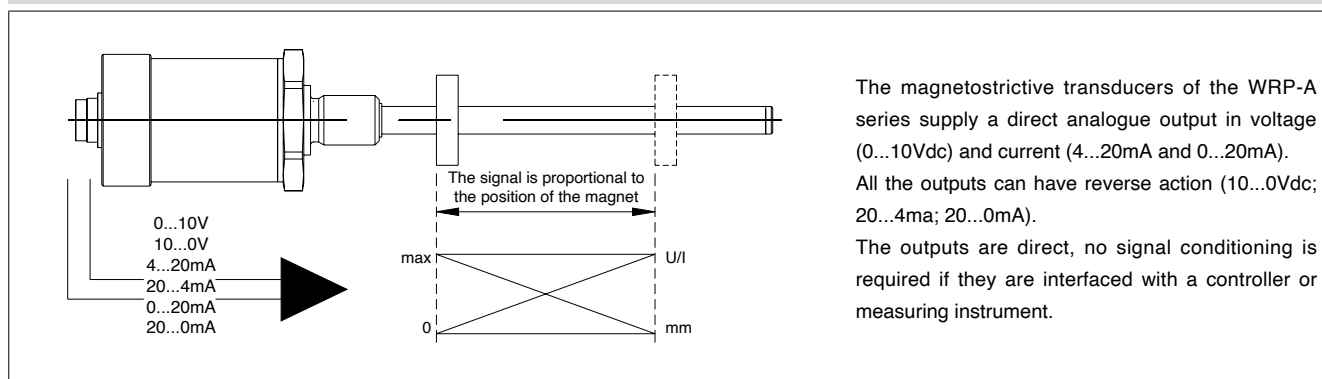
Function	CONNECTORS				CABLES	OPTIONAL CABLES			
	WRP-A-A	WRP-A-B	WRP-A-C	WRP-A-H	WRp-A-F/R	CAV00_	CAV01_ / CAV02_	PCAV_	PCAV_
	5 pin M12	6 pin M16	8 pin M16	8 pin M12	Standard cables	Pre-assembled cable 8 pin WRP-A-H	Pre-assembled cable 5 pin WRP-A-A	Pre-assembled cable 6 pin WRP-A-B	Pre-assembled cable 8 pin WRP-A-C
Output 1 (position) 0...10V 4...20mA 0...20mA	1	1	5 (1*)	5	Grey	Green	Brown	Grey	Brown
GND Output 1 (0V)	2	2	2	1	Pink	Yellow	White	Pink	Pink
Output 2 (inverse position) 10...0V 20...4mA 20...0mA	3	3	3	3	Yellow	Pink	Blue	Yellow	Yellow
GND Output 2 (0V)	2	4	6	2	Green	Grey	White	Green	White
Power supply +	5	5	7	7	Brown	Brown	Grey	Brown	Green
Power supply GND	4	6	8	6	White	Blue	Black	White	Grey
n.c.	-	-	4	4	-	Red	-	-	-
n.c.	-	-	1 (*5)	8	-	White	-	-	-

(*) = for version 4...20mA / 0...20mA

GROUNDING WRP-A



ANALOG OUTPUT



ORDER CODE

Position transducer

W R P A 1

0 0 0 0 X X X X S 0 X X

Analogue output **A**

Output Connector	
M12 5 pin output connector	A
6 pin DIN 45322 output connector	B
8 pin DIN 45326 output connector	C
M12 8 pin output connector	H
PVC output cable	F
PUR output cable high flexibility	R

MODEL

Output	
0...10, 10...0 Vcc	A
4...20, 20...4 mA	E
0...20, 20...0 mA	G

Cable lengths	
Output F/R 1 mt	00
2 mt	02
3 mt	03
4 mt	04
5 mt	05
10 mt	10
15 mt	15
Output A/B/C/H	00

Thread	
M 18x1.5 (standard)	M
3/4" - 16UNF	I

► **Included in the supply**

- Series WR position transducer
- OR 15.4 x 2.1 thread M18 x 1.5 cod: **GUA064**
- OR 16.36 x 2.21 thread 3/4" -16 UNF cod: **GUA065**

► **Magnetic cursors must be ordered separately**

Mechanical and/or electrical characteristics differing from those in the standard version may be arranged on request.

Ex.: **WRP-A-B-0400-A-1 0000XXXXS00M0XX**
Transducer model WRP-A, analogue output, B connector, model 400mm, 0...10Vdc output, thread M18x1,5

FLOATING CURSOR



Cursors	
Cursor Diameter 32.8	095
Cursor Diameter 32.8 with 90° slit	096
Cursor Diameter 25.4	097
Floating cursor for liquids with hole diameter 12	098

The **PCUR095** is supplied with:

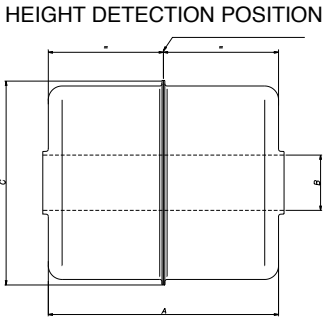
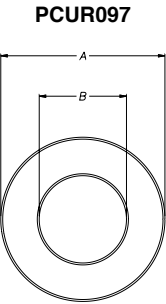
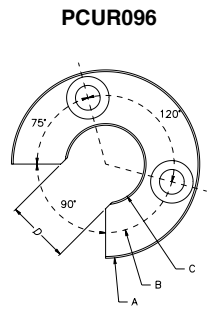
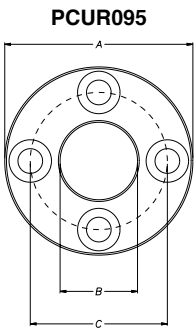
- N° 8 Brass nuts M4
- N° 8 Brass washers D4
- N° 4 Brass screws M4x25

The **PCUR096** is supplied with:

- N° 4 Brass nuts M4
- N° 4 Brass washers D4
- N° 2 Brass screws M4x25

Dimensions	A	B	C	D	Thickness
PCUR095	32.8	13.5	23.9	-	7.9
PCUR096				11	
PCUR097	25.4	13.5		-	

Model		PCUR098
Length A	mm	52.4
Diameter B (hole)	mm	12
Diameter C	mm	44
Material		AISI 316



Note: PCUR098 is supplied with kit **PKIT036** for floating cursor for liquids.

OPTIONAL FEMALE CONNECTORS

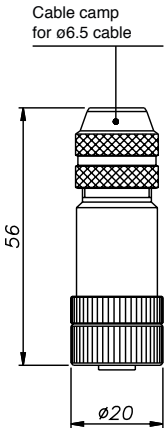
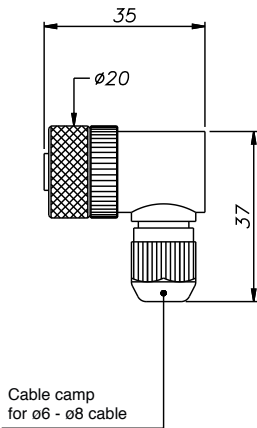
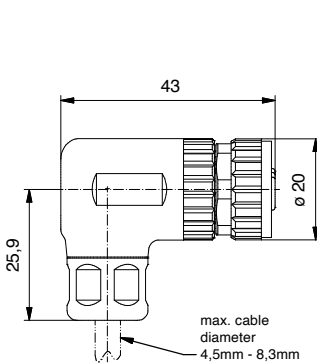
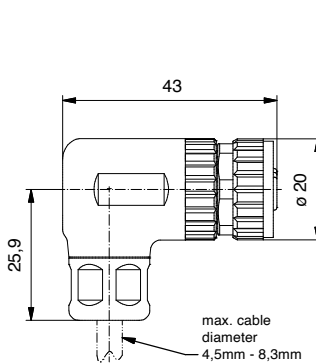
For **WRP-A-A** and **WRP-A-H**, M12 thread connector

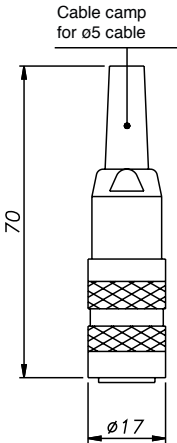
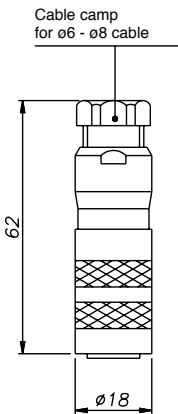
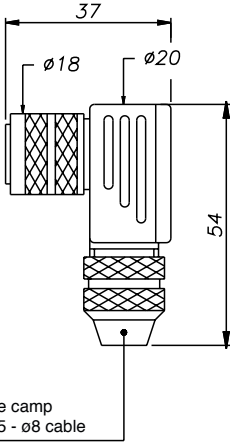
Code: **CON031** for 5-pin output (**WRP-A-A**)
CON041 for 5-pin output (**WRP-A-A**)
CON125 for 5-pin output (**WRP-A-A**)**
CON035 for 8-pin output (**WRP-A-H**)**
CON042 for 8-pin output (**WRP-A-H**)*
CON126 for 8-pin output (**WRP-A-H**)**

Connector extraction length: 10mm

For **WRP-A-B** and **WRP-A-C**, M16 thread connector

Code: **CON021** for 6-pin output (**WRP-A-B**)
CON022 for 6-pin output (**WRP-A-B**)*
CON023 for 6-pin output (**WRP-A-B**)
CON026 for 8-pin output (**WRP-A-C**)
CON027 for 8-pin output (**WRP-A-C**)
CON028 for 8-pin output (**WRP-A-C**)

				
CON031/CON035	CON041	CON042	CON125	CON126
IP67 - IEC 48B	IP67		IP67	IP67
-30+85 °C	-25+85 °C	-30+85 °C	-30+85 °C	-30+85 °C

		
CON021/CON026	CON022/CON027	CON023/CON028
IP40 - EMC	IP67 - EMC	IP67 - EMC
-30+85 °C	-30+85 °C	-30+85 °C

* Not available with UL certification.

** Shielded connector

Note:

1. The IP rating specified in this document normally applies with the suitable female connector plugged-in and properly wired.
2. I valori nominali di temperatura, eccetto dove espressamente indicato, sono da ritenersi applicabili anche in ambito UL
3. Per i cavi di estensione delle applicazioni cULus, si consiglia l'utilizzo di un cavo a 6 poli 26AWG Style 2464.

OPTIONAL OUTPUT CABLES

For **WRP-A-A**, cable with connector (straight or 90°)
with M12 thread 5 pin

5-pin cable code		WRP-A-A	
Lenght "L"		CODE	
		Straight cable	Cable to 90°
2	mt	CAV011	CAV021
5	mt	CAV012	CAV022
10	mt	CAV013	CAV023
15	mt	CAV015	CAV024

For **WRP-A-A**, cable with connector (straight or 90°)
with M12 thread 8 pin

8-pin cable code		WRP-A-H	
Lenght "L"		CODE	
		Straight cable	Cable to 90°
2	mt	CAV002	CAV005
5	mt	CAV003	CAV006
10	mt	CAV004	CAV007
15	mt	CAV009	CAV008

ACCESSORIES

Non-magnetic spacer for mounting PCUR022 cursor

CUR022

Electrical installation requirements and Conformity certificate are available on our web site: www.gefran.com

GEFRAN spa reserved the right to make aesthetic or functional changes at any time and without notice.