

Retractable C Plastic LT Specification Sheet

REF 243230-XXXXXX



The retractable pneumatic housing Retractable C Plastic LT was designed for harsh applications in the chemical industry. The compact design with a stroke of only 36 mm with an insertion depth of 194 mm keeps wear on seals to a minimum and creates excellent reliability. It can be cleaned easily and thoroughly in place. It is designed for 12 mm sensors and is equipped with several safety features (e.g. no sensor – no insertion, window to check seals for leakage etc.) to provide operator safety.

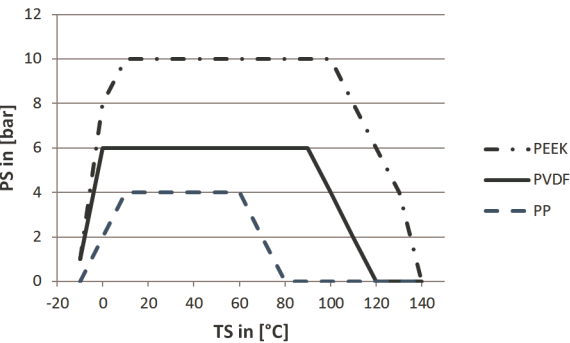
Product Specifications

Housing Insertion Depth	194 mm
IECEX / ATEX / UKEX / EAC Ex approval	No
CIP	Yes
Cleaning Pressure	1 to 4 bar
Cleaning Port connection	Various (see Ordering Information)
Compressed Air	4 to 6 bar (filtered 40µm, water- and oil free; no continuous consumption)
Compressed Air connection	6 / 4 mm (control air); 4 / 2 mm (position sensing)
Diameter	Various (see Dimensions)
Electrode Shaft Length	325 mm (pH, ORP) / 315 mm (DO, COND)
For Electrodes with	12 mm PG13,5
Materials	PVDF / DIN 2.4602; PEEK; PA6.6 GF30; O-Ring see Ordering Information
Max. Diameter	165 mm
Max. Pressure	Depends on the kind of plastic used, see Process Conditions
Medium Affected Materials	PVDF / DIN 2.4602; PEEK and sealing material
Min. Total Length	338 mm
O-Ring Material	Various (see Ordering Information)
Operating Temperature Range	-10 to 140 °C (see Process Conditions)
Process Connections	Flange
Sensor Insertion Depth	194 mm
Serial Number	Yes
Steam Sterilizable	Material Dependant

Process Conditions

Max. allowed pressure PS 10 bar

Max. allowed temperature TS 140 °C

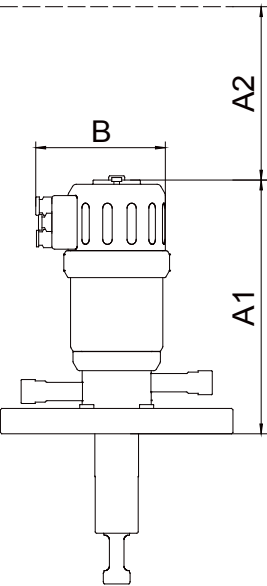


Housing Dimensions

A1 [mm] 180

A2 [mm] 480

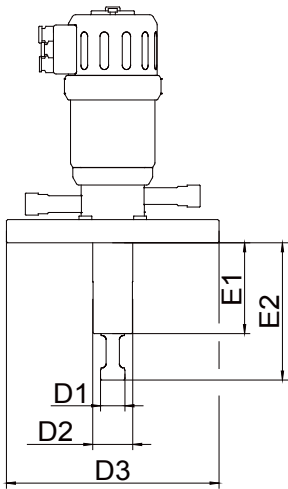
B [mm] 95



Process Connection Retractex C Plastic LT

Dimensions	A
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Flange



E1 [mm]	158
E2 [mm]	194
D1 [mm]	Ø 19
D2 [mm]	Ø 36
D3 [mm]	Ø 165

Ordering Information

Retractex Retractable Housing						
243230	Retractex C Plastic LT					
	Code		Material (wetted parts)			
	1		PVDF / 2.4602			
	2		PEEK			
	0		Special Design			
		Code		Sealing Material (wetted sealings)		
		1		EPDM / FDA USP VI (elastomer certificate included)		
		2		FKM (Viton)		
		3		FFKM (Kalrez)		
		0		Special Design		
			Code		Sensor	
			1		325 mm PG13,5	
			0		Special Design	
			Code		Process Connection	
			1		Flange DN50	
			2		Flange ANSI 2"	
			0		Special Design	
			Code		Cleaning Connection	
			1		G 1/8" thread (internal)	
			2		G 1/4" thread (internal)	
			0		Special Design	
			Code		Position Feedback	
			1		Pneumatic Feedback	
			2		Electrical (Namura)	
			0		Special Design	
REF: 243230 -						

Accessories and Spare Parts

REF	Description
243211	Service Kit Retractex C LT EPDM
243212	Service Kit Retractex C LT FKM (Viton)
243213	Service Kit Retractex C LT FFKM (Kalrez)
242231	Service tool PG13.5 for retractable housings
243250	Pneumatic Drive Unit
243231	Insertion Tube Retractex C LT PVDF / DIN 2.4602
243232	Insertion Tube Retractex C LT PEEK
243224	Set blind plug G ½" PVDF for cleaning chamber

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To find a representative in your area,
please visit:

hamiltoncompany.com/contact

Hamilton Americas & Pacific Rim
Hamilton Company Inc.
4970 Energy Way
Reno, Nevada 89502 USA
Tel: +1-775-858-3000
Fax: +1-775-856-7259
sales@hamiltoncompany.com

Hamilton Europe, Asia, Africa
Hamilton Bonaduz AG
Via Crusch 8
CH-7402 Bonaduz, Switzerland
Tel: +41-58-610-10-10
contact.pa.ch@hamilton.ch

