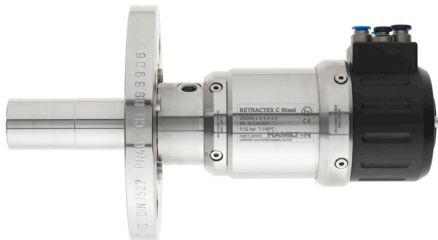


Retractable C Steel LT

Specification Sheet (Ref 243210-XXXXXX)



The retractable pneumatic armature Retractable C Steel LT was designed for harsh applications in the chemical industry. The compact design with a stroke of only 36 mm with a maximum insertion depth of 207 mm keeps wear on seals to a minimum and creates excellent reliability - day and night, all year long. 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

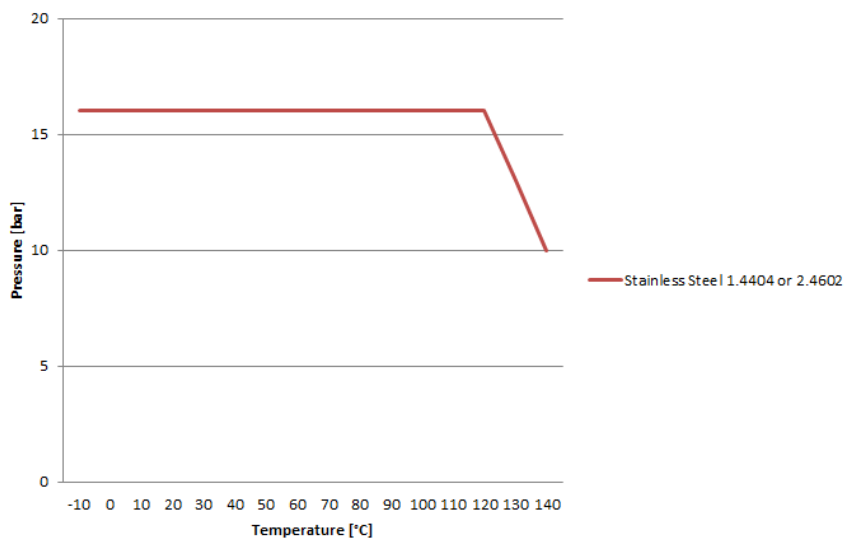
Armature Insertion Depth	Various (see Dimensions)
ATEX Approval	CE 0035 II 1/2 G Ex ia IIC T4/T5/T6 Ga/Gb CE 0035 II 1/2 D Ex ia IIIC T x °C Da/Db
Autoclavable	Insertion tube and rinsing chamber
Certificate	Yes, 3.1 certificate with heat number
CIP	Yes
Cleaning Pressure	1 to 4 bar
Cleaning Port connection	various (see Ordering Information)
Compressed Air	1 to 6 bar (filtered 40nm, 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)
IECEX	CE 0035 II 1/2 G Ex ia IIC T4/T5/T6 Ga/Gb CE 0035 II 1/2 D Ex ia IIIC T x °C Da/Db
For Electrodes with	12 mm PG13,5
Materials	DIN 1.4404; DIN 2.4602; PA6.6 GF30; O-Ring see Ordering Information

Product Specifications (continued)

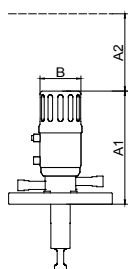
Max Diameter	Various, depends on flange type
Max. Pressure	16 bar (120 °C), 10 bar (140 °C), see Process Conditions
Medium Affected Materials	DIN 1.4404 or DIN 2.4602 and PTFE
Min. Total Length	Various (see Dimensions)
O-Ring Material	Various (see Ordering Information)
Operating Temperature Range	-10 to 140 °C (see Process Conditions)
Process Connections	Various process adapters (see Ordering Information)
Sensor Insertion Depth	Various (see Dimensions)
Serial Number	Yes
Steam Sterilizable	Yes
Surface Quality of Steel	Ra < 0.8 µm (N6) / Flange: < 1.6 µm (N7)

Process Conditions

Max. allowed pressure PS	16 bar
Max. allowed temperature TS	140 °C



Dimensions



Holder

Dimensions	Retractable C Steel LT
A ₁ [mm]	180
A ₂ [mm]	480
B [mm]	95

Dimensions (continued)

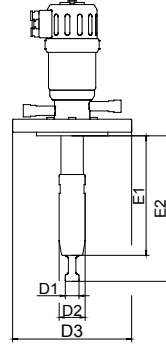
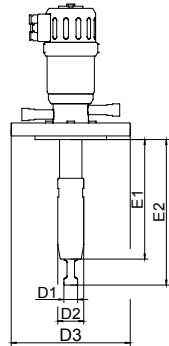
Process Connection Retractex C Steel LT

A

B

Flange 4404

Flange HC22



Dimensions	C Steel LT	C Steel LT
E1 [mm]	171	166
E2 [mm]	207	202
D1 [mm]	Ø 19	Ø 19
D2 [mm]	Ø 36	Ø 36
D3 [mm]	-	-

Ordering Information

Retractex C Retractable Holder

243210	Retractex C Steel LT						
	Code	Holder, Wetted Material					
	1	Stainless Steel, 1.4404 (material certificate included)					
	2	Stainless Steel, 2.4602 (material certificate included)					
	0	Special Design					
		Code	Seals, Wetted Material				
		1	EPDM / FDA USP class VI (elastomer certificate)				
		2	FPM				
		3	FFPM				
		0	Special Design				
			Code	Sensor			
			1	325 mm PG13,5 filled with gel			
			0	Special Design			
				Code	Process Connection		
				1	Flange DN40 PN16		
				2	Flange DN50 PN16		
				3	Flange ANSI 1½" 150 lbs		
				4	Flange ANSI 2" 150 lbs		
				0	Special Design		
					Code	Cleaning Port	
					1	G ⅛" (internal)	
					2	G ¼" (internal)	
					0	Special Design	
						Code	Position Reply
						1	Pneumatic
						0	Special Design
Ref: 243210 -							

Accessories and Spare Parts

Reference Number	Description
243211	Service Kit Retractex C LT EPDM
243212	Service Kit Retractex C LT FPM (Viton)
243213	Service Kit Retractex C LT FFPM (Kalrez)
243214	Insertion Tube Retractex C LT 1.4404 / 316L
243215	Insertion Tube Retractex C LT 2.4602 / Alloy C22
243206	Set blind plug G $\frac{1}{8}$ " 1.4301/316 for cleaning chamber
243250	Drive Unit - sensor 225/325 pneum. position switch

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