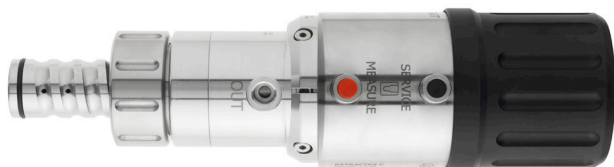


# Retractex B M

## Specification Sheet (Ref 243275-XXXXXX)



The retractable armature Retractex B M was designed for sanitary applications in biotechnology, food, beverage and pharmaceutical industry. The compact design with a stroke of only 36 mm keeps wear on seals to a minimum and leads to excellent reliability. It can be cleaned easily and thoroughly in place, including the space between socket and rinsing chamber. The Retractex B M with its patented HyCIP cleaning principle offers the best available cleaning efficiency for Ingold sockets (G 1¼").

### Product Specifications

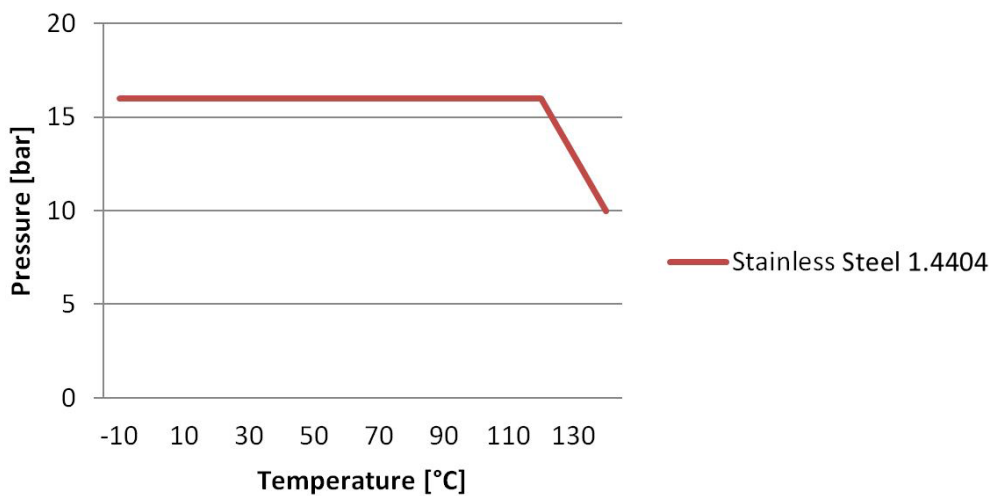
Armature Insertion Depth	Various (see Dimensions)
ATEX Approval	CE 0035 II 1/2 G Ex ia IIC T4/T5/T6 Ga/Gb CE 0035 II 1/2 D Ex ia IIIC T x °C Da/Db
Autoclavable	Insertion tube and rinsing chamber
Certificate	Yes, 3.1 certificate with heat number
CIP	Yes
Cleaning Pressure	1 to 4 bar
Cleaning Port connection	various (see Ordering Information)
Diameter	Various (see Dimensions)
Electrode Shaft Length	225 mm (pH, ORP) / 215 (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
Insertion Mode	Manual
For Electrodes with	12 mm PG13,5
Materials	DIN 1.4404; PA6.6 GF30; O-Ring see Ordering Information
Max Diameter	Various (see Dimensions)
Max. Pressure	16 bar (120 °C), 10 bar (140 °C), see Process Conditions

## Product Specifications (continued)

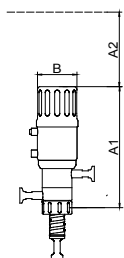
Medium Affected Materials	DIN 1.4404
Min. Total Length	Various (see Dimensions)
OP	25 mm, 50 mm, 55 mm (see Ordering Information)
O-Ring Material	Various (see Ordering Information)
Operating Temperature Range	-10 to 140 °C (see Process Conditions)
Process Connections	Various process adapters (see Ordering Information)
Sensor Insertion Depth	Various (see Dimensions)
Serial Number	Yes
Steam Sterilizable	Yes
Surface Quality of Steel	Ra < 0.8 µm (N6)

## Process Conditions

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



## Dimensions



### Holder

Dimensions	Retractable B M
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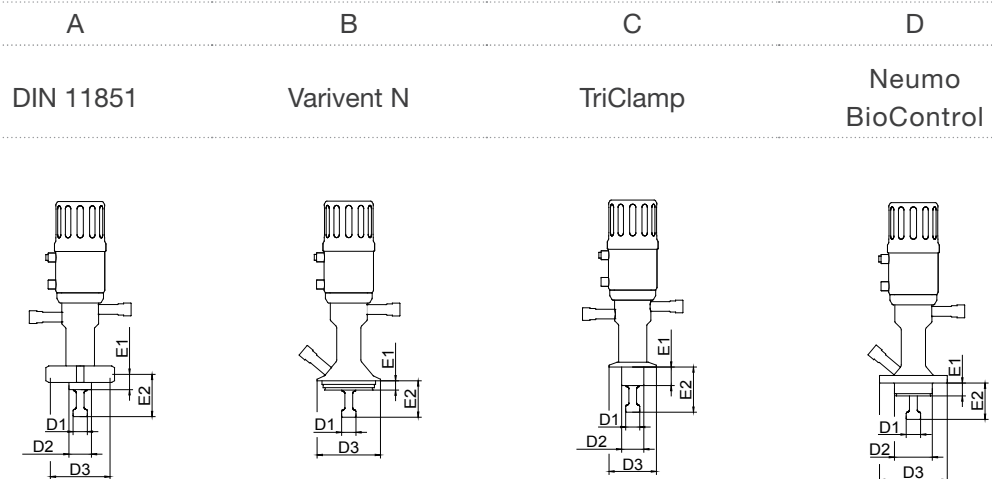
A <sub>1</sub> [mm]	180
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A <sub>2</sub> [mm]	350
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B [mm]	69
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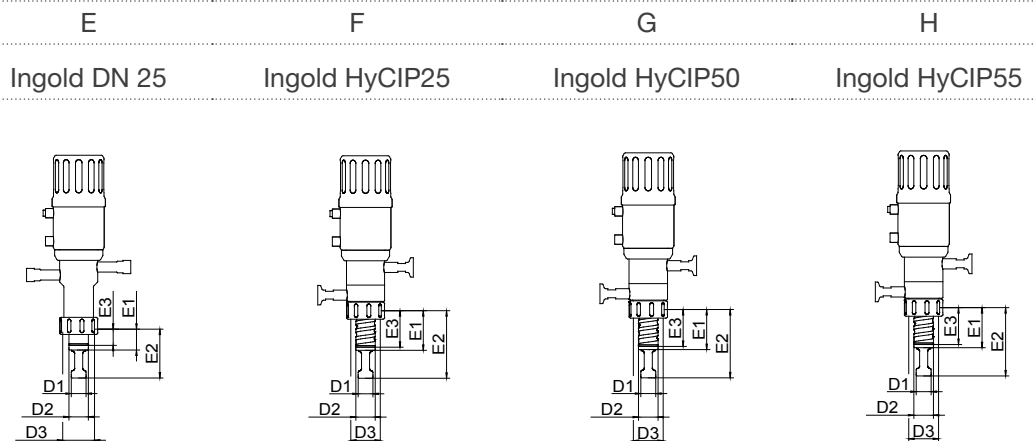
## Dimensions (continued)

### Process Connection Retractex B M



Dimensions	DN50	DN40-125	1,5"	2"	DN50
E1 [mm]	18	12,3	22	25	17
E2 [mm]	54	48,3	58	61	48
D1 [mm]	Ø 19	Ø 19	Ø 19	Ø 19	Ø 19
D2 [mm]	Ø 30	-	Ø 30	Ø 30	Ø 50
D3 [mm]	Rd78 x 1/6"	Ø 84	Ø 50,5	Ø 64	Ø 89,5

### Process Connection Retractex B M



Dimensions	O-Ringpos. 28 mm	O-Ringpos. 25 mm	O-Ringpos. 50 mm	O-Ringpos. 55 mm
E1 [mm]	34	29	54	59
E2 [mm]	70	65	90	95
E3 [mm]	28	25	50	55
D1 [mm]	Ø 19	Ø 19	Ø 19	Ø 19
D2 [mm]	Ø 25	Ø 25	Ø 25	Ø 25
D3 [mm]	G 1 1/4"	G 1 1/4"	G 1 1/4"	G 1 1/4"

## Ordering Information

### Retractex B M Retractable Holder

243275	Retractex B M						
	Code	Holder, Wetted Material					
	1	Stainless Steel, 1.4404 (material certificate included)					
	0	Special Design					
		Code	Seals, Wetted Material				
		1	EPDM / FDA USP class VI (elastomer certificate)				
		2	FPM				
		0	Special Design				
			Code	Sensor			
			1	225 mm PG13,5 filled with gel			
			0	Special Design			
				Code	Process Connection		
				1	Ingold (G 1¼") O-Ring-Pos. 28mm		
				2	Varivent N DN40-125		
				3	TriClamp 1,5" (OD Ø 50,5 mm)		
				4	TriClamp 2" (OD Ø 64 mm)		
				5	NEUMO BioControl 50		
				6	DIN 11851 DN50 (Milchrohr)		
				7	HyCIP Ingold (G 1¼") O-Ring-Pos. 25 mm		
				8	HyCIP Ingold (G 1¼") O-Ring-Pos. 50 mm		
				9	HyCIP Ingold (G 1¼") O-Ring-Pos. 55 mm		
				0	Special Design		
					Code	Cleaning Port	
					1	G ⅛" (internal)	
					2	G ¼" (internal)	
					3	¼" NPT (internal)	
					4	TriClamp ¾"	
					9	TriClamp ¾" Ø 10,3 mm Sartorius	
					0	Special Design	
						Code	Position Reply
						1	Without
						0	Special Design
Ref: 243275 -							

## Accessories and Spare Parts

Reference Number	Description
243241	Service Kit Retractex B EPDM (FDA) Ingold (not HyCip)
243242	Service Kit Retractex B EPDM (FDA) all except Ingold or HyCip
243243	Service Kit Retractex B EPDM (FDA) HyCip (not Ingold)
243244	Service Kit Retractex B FPM Ingold (not HyCip)
243245	Service Kit Retractex B FPM all except Ingold or HyCip
243246	Service Kit Retractex B FPM HyCip (not HyCip)
243204	Insertion Tube Retractex B / C 1.4404
243206	Set blind plug G 1/8" 1.4301 for cleaning chamber
243247	Safety weld-in socket straight, OP 28, 40 mm, 1.4404 incl. 3.1 cert.
243248	Safety weld-in socket inclined, OP 28, 40 mm, 1.4404 incl. 3.1 cert.
243256	Manual Drive Unit - sensor 225/325

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