

DYNAMIC Process Equipment

Retractable Housing Pneumatic

SmartDip 420M



SmartDip 420M: Pneumatically Retractable Electrode Housing

SmartDip 420M is a compact retractable electrode housing with pneumatic drive Unit. This metal body model can be implemented in different chemical applications including fermenters and bio-reactors in Bio-pharmaceutical industries. Various type of process connections such as Flange, Triclover, Ingold Fitting and Dairy Fitting are available for mounting on reactor or vessel's side nozzle for in-situ measurement or on a T- connection in pipe line for in-line measurement. The drive unit inserts the measurement sensor into the reaction mass and retracts back to the flushing chamber for cleaning and storage in stand by condition.

About Product:

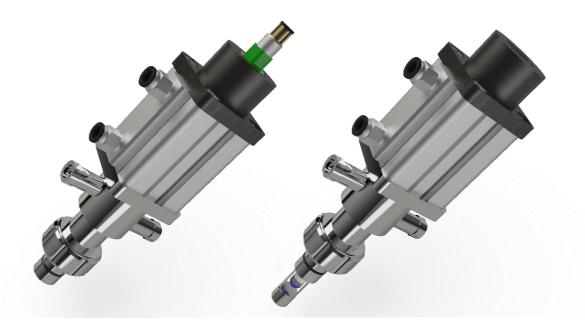
- Available in various material such as SS 316L, SS 904L, Titanium, Hastelloy C22 for wetted parts.
- Available in various sealing material such as EPDM, VITON, KALREZ.
- Various process connections: Flange size ANSI 1.5" and above, Triclover, G1-1/4" Ingold, Dairy Fitting
- Immersion length starting from 40mm and extendable up to 60mm for Ingold fitting
- Stroke length 40mm

Unique Features:

- Compact design suitable for Bio-pharma, food and dairy industries.
- Fits 225mm long electrodes which are more readily available and durable.
- Longer cleaning path for improved CIP-SIP results.
- Short 40mm stroke length for less wear & tear.
- Scrap & Seal assembly for durability of the sealing material.

Benefits:

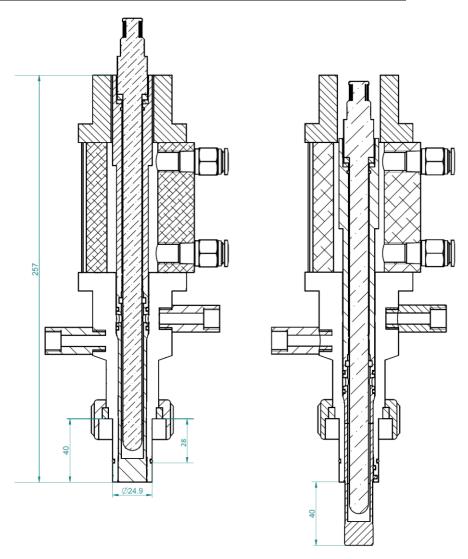
- Quick and easy Sensor cleaning, calibration or maintenance without process interruption.
- Improved accuracy, reliability and life of process sensors such as pH Electrodes.
- Ease of operation and maintenance of measurement point.
- Plug & Use Modular design for ease of installation and maintenance.
- Usable in hazardous areas and awkward positions.
- Can be fully automated with SmartControl Auto control panel.





Specification Sheet:

Model	SmartDip 420M		
Pressure	0 to 10 Bar		
Process Temperature	-10 to 140 °C		
Immersion Length	40 mm (up to 60 mm)		
O-ring position	28 mm (up to 48 mm)		
pH/DO Sensor Specs	225mm ø12 PG13.5		
Wetted Material	SS316L, SS904L, C22 Hastelloy, Titanium		
Seals	EPDM, FPM (Viton), FFKM (Kalrez)		
Process Connection	Flange ANSI 1.5" and Above, G11/4" Ingold, TriClover, Dairy Fitting		
Flushing Port	G1/4" Female		
Surface Finish	Ra Value <0.2		
Operating Air Pressure	4 to 6 Bar		
Limit Switch Pneumatic/Reed Switch			





Application:

- Bio-Pharma
- Food & Beverages
- Dairy Industry

Ordering Code:

SmartDip 420M	_Code	MOC of Wetted Parts			
	1	316L			
	2	904L			
	3	C22			
	4	Titanium			
		_code	MOC of Seals		
		EP	EPDM		
		VI	VITON (FPM)		
		FK	FFKM (Kalrez)		
			_code	Process Connection	
			F1	Flange ANSI 1-1/2" #150	
			F2	Flange ANSI 2" #150	
			F3	Flange ANSI 3" #150	
			G	Ingold G1-1/4"	
			T1	Triclover ISO DN25/32, DIN DN25/32	
			T2	Triclover ISO DN40, DIN DN40/50	
			D1	Dairy Fitting DN50	
			D2	Dairy Fitting DN60	
				_code	Position Feedback
				RD	Megnetic Reed Switch
				PN	Pneumatic
				NA	Not Required



Some unique features of SmartDip Retractable Housings:





Also check out our range of Retractable Housings for Liquid Analytics...



SmartDip 405M

SmartDip 405M is a retractable electrode housing with pneumatically operated drive Unit. This metal body model can be implemented in harsh chemical applications through flan...



SmartDip 220M

SmartDip 220M is a compact refractable electrode housing with manual drive Unit. This metal body model can be implemented in different chemical applications including ferment...



SmartDip 405P

SmartDip 405P is a retractable electrode housing with pneumatically operated drive Unit. This plastic body model can be implemented in harsh chemical applications through flan...



SmartDip 250M

SmartDip 250M is a manually operated Retractable electrode housing with long immersion lengths and ball valve for isolation. It can fit 120mm long Sensor.



SmartDip 420M

SmartDip 420M is a compact retractable electrode housing with pneumatically operated drive Unit. This metal body model can be implemented in different chemical applicatio...



SmartDip 240M

SmartDip 240M is a compact retractable electrode housing. This version can fit 120mm long sensor. It comes with 1" NPT, Triclover connection.



SmartDip 450M

SmartDip 450M is a pneumatically operated retractable electrode housing with long immersion length and isolation ball valve.
This unique model can fit 120mm long sensor.



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For more information visit: https://www.dynamic-p-e.com/







Subject to technical changes