



TM
DE DYNAMIC
Process Equipment

Retractable Housing Pneumatic
SmartDip 450M

SmartDip 450M: Pneumatically Retractable Electrode Housing

SmartDip 450M is a pneumatically retractable electrode housing with long immersion length up to 250mm from mounting flange. This metal body model can be implemented in different chemical applications including tanks, vessels and reactors for In-situ measurements of parameters such as pH/ORP, Conductivity and Dissolved Oxygen. SmartDip 450M has a ball valve the most reliable and widely accepted isolating equipment for isolation in the service position. The user-friendly design makes it much easier to remove the sensor from the housing for calibration.

About Product:

- Available in various sealing material such as EPDM, VITON, KALREZ.
- Various process connections: Flange size ANSI 1.5" and above.
- Immersion length available up to 250mm.

Unique Features:

- Ball valve for isolation in service position.
- Fits 120mm long electrodes which are most readily available and durable.
- In-built flushing chamber for cleaning and safe storage of the sensor.
- Scrap & Seal assembly for durability of the sealing material.

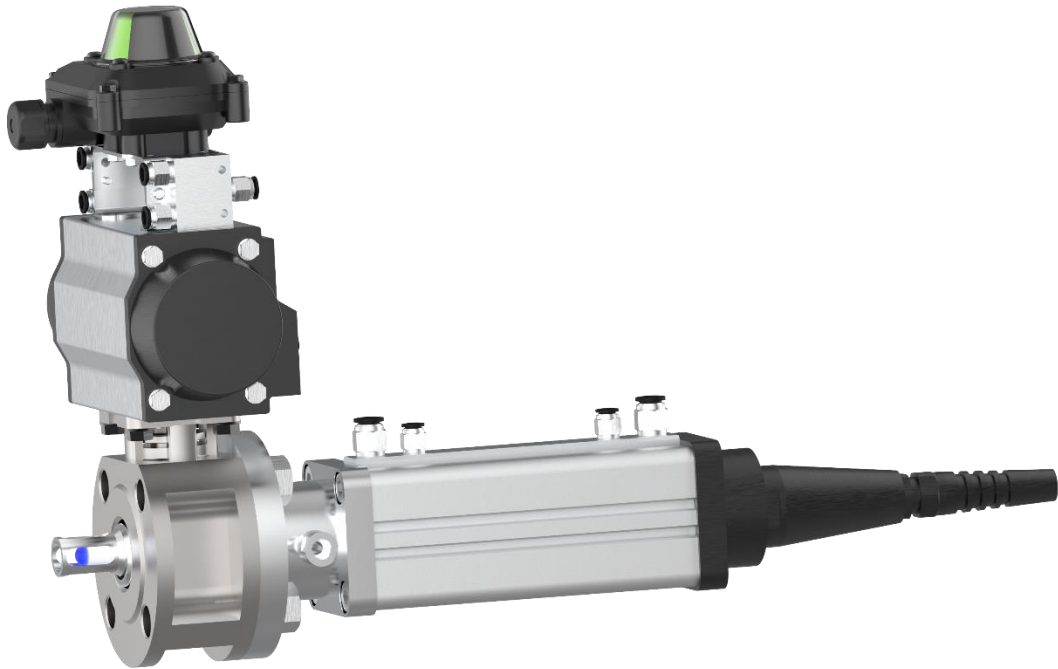
Benefits:

- 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.
- Pneumatic interlocking operation suitable for remote as well as automated operations.

Specification Sheet:

Model	SmartDip 450M
Pressure	0 to 6 Bar
Process Temperature	up to 140 °C
Immersion Length	up to 250 mm
O-ring position	NA
pH/DO Sensor Specs	120mm ø12mm PG13.5
Wetted Material	SS316L
Seals	EPDM, FPM (Viton), FFKM (Kalrez)
Isolation Valve	Wafer Type Manual Ball Valve ANSI 1.5" (and above)
Flushing Port	G1/4" Female
Operating Air Pressure	4 to 6 Bar
Limit Switch	Pneumatic/Reed Switch

SmartDip 450M



Unique Features

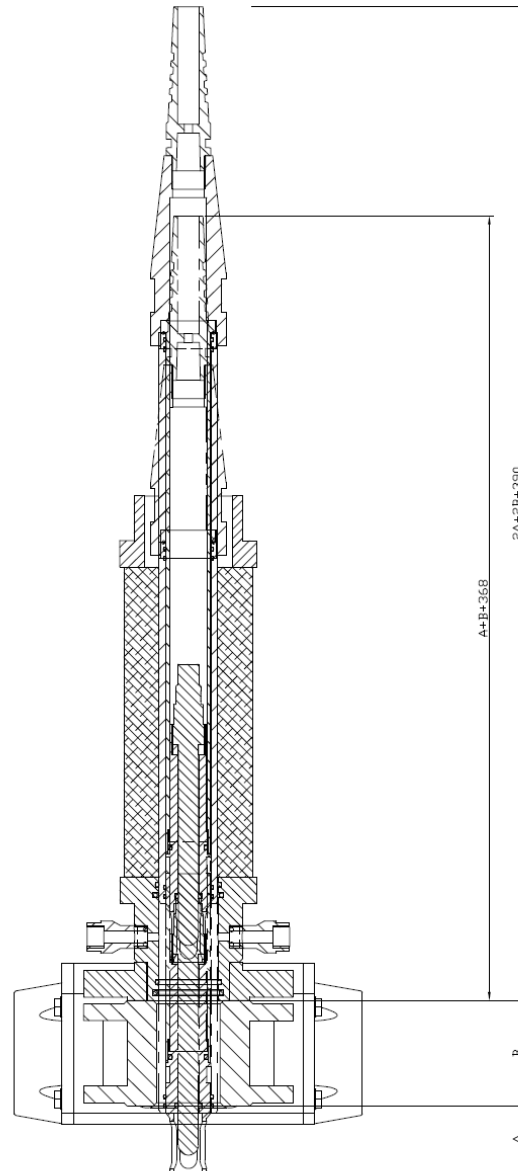
SmartDip 450M



**EASE OF
OPERATION**

SENSOR CLEANING
CALIBRATION
REPLACEMENT

Dimension Drawing:



DIMENSION	
A	INSERTION LENGTH $40 < A < 250$
B	VALVE LENGTH

Applications:-

- Chemical Process
- Wastewater
- Petrochemicals & Refinery
- Pulp & Paper Industry
- Power Plant
- Battery Recycling

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 retractable 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.