



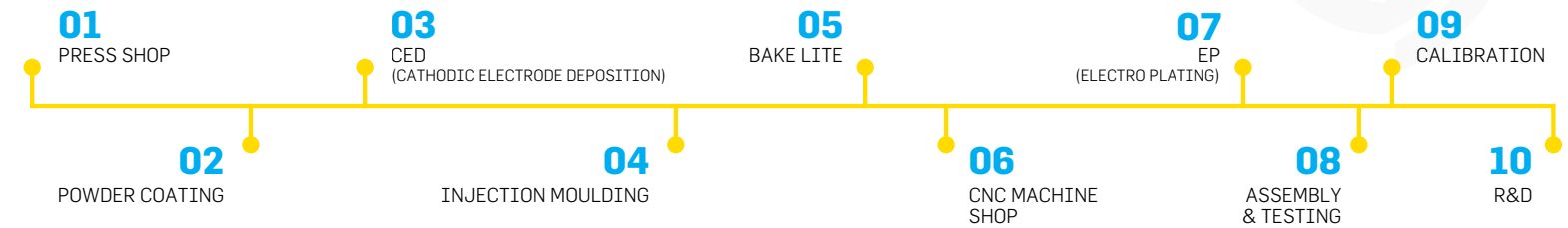
Smart, safe and accurate.



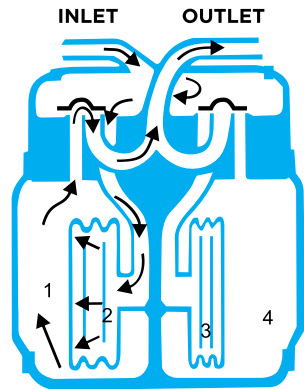


## AS LEADERS IN MANUFACTURING INDUSTRY,

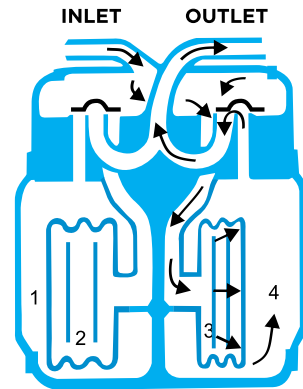
Capital has set the bar with its unwavering commitment to quality and exceptional client service. Through our extensive inventory of diverse and customizable products, our talented team goes above and beyond to make sure your needs are met, and expectations exceeded.



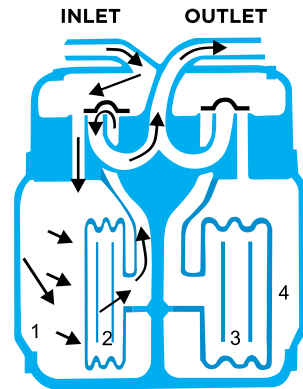
## OPERATING PRINCIPLE CAPITAL GAS METERS



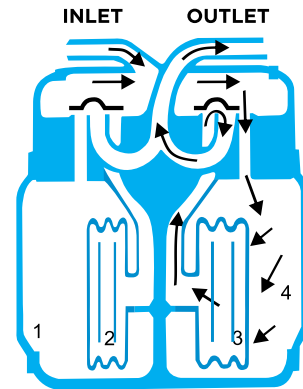
Chamber 1 is emptying, 2 is filling, 3 is empty and 4 has just filled.



Chamber 1 is now empty, 2 is full, 3 is filling, and 4 is emptying.



Chamber 1 is filling, 2 is emptying, 3 has filled, and 4 has emptied.



Chamber 1 is now completely filled, 2 is empty, 3 is emptying, and 4 is filling.

The diaphragm gas meter is based on displacement metering principle. The gas meter consists of 4 chambers separated with diaphragm. The movement of the diaphragm is due to the pressure difference between the inlet and the outlet of the meter. The chambers are filled and emptied periodically, and the reciprocating movement of the diaphragms are transferred via crankshaft & gear to the index.

## TECHNICAL SPECIFICATIONS CAPITAL GAS METERS

TYPE	G 1.6MS / G1.6S	G2.5MS/ G 2.5S	G 4.0S
Maximum Flow Rate (Qmax.)	2.5 m <sup>3</sup> /h	4.0 m <sup>3</sup> /h	6.0 m <sup>3</sup> /h
Minimum Flow Rate (Qmin.)	0.016 m <sup>3</sup> /h	0.025 m <sup>3</sup> /h	0.040 m <sup>3</sup> /h
Maximum Operating Pressure	0.5 bar		
Maximum Pressure Loss	≤2 mbar		
Cyclic Volume	0.9 / 1.2 dm <sup>3</sup>	0.9 / 1.2 dm <sup>3</sup>	1.2 dm <sup>3</sup>
Compliance	MID Class 1.5 EN1359:2017		
Index Maximum Indication	99999.999 m <sup>3</sup>		
End Connection Distance	110.0 mm		
Ingress Protection	IP 65		
Resistance to High Temperature	Yes -25°C to +60°C		
Temperature	-25°C to +70°C (Storage)		
Humidity	96 % Non-Condensing		
End Connections	3/4" NPT Standard (BPS & BS 746 or 1" NPT on request)		

## APPROVALS



EN 1359

ISO 27001

MID - B



ISO 9001

ISO 14001

MID - D