TECHNICAL SPECIFICATIONS

Size & Flow Matrix

DN (mm)	ASME (in)	Qp (m³/h)	Qs (m³/h)	Qi (m³/h)	Flange OD (mm)	Length (mm)	Bolt connection
DN50	2.0	15	30	0.3	165	200	4 × M16
DN65	2 ½	25	50	0.5	185	200	4 × M16
DN80	3.0	40	80	0.8	200	225	8 × M16
DN100	4.0	60	120	1.2	220	250	8 × M16
DN125	5.0*	100	200	2.0	250	250	8 × M16
DN150	6.0	150	300	3.0	280	300	8 × M20
DN200	8.0	200	400	4.0	335	345	12 × M20
DN250	10.0	400	800	8.0	405	445	12 × M24
DN300	12.0*	600	1200	12.0	460	500	12 × M24
DN350	14.0*	800	1600	16.0	520	500	16 × M24
DN400	16.0*	1000	2000	20.0	580	600	16 × M27

*Asterisks indicate estimated nominal ASME flange conversions based on metric pipeline standards. All physical connections utilize CL 150 ASME B16.5 flanges rated to PN16 (1.6 MPa).

Operational & Electrical Baseline Specifications

Operational Parameter	Rating
Temperature range (medium)	1 °C ~ 150 °C
Temperature difference range (ΔT)	3 K ~ 95 K
Temperature sensor type	Pt1000 platinum RTD, certified paired set
Metrological accuracy class	Class 2 (EN 1434 compliant)
Maximum working pressure	1.6 MPa (PN16 standard)
Pressure loss	P < 25 kPa at nominal flow rate Qp
Ingress protection rating	IP68
Battery	Lithium 3.6 VDC
Standard operating temperature	-30 °C ~ 55 °C (storage and electronics)
Wired communication options	M-Bus, RS-485, pulse output
Wireless communication options	LoRaWAN (EU433, EU868, IN865, US915), Sigfox, 4G CAT1, NB-IoT
Standard display unit options	kWh, MWh, GJ — factory programmable or configurable