

MANIFOLD CHAMBER COMPACT SERIES




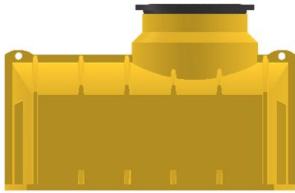
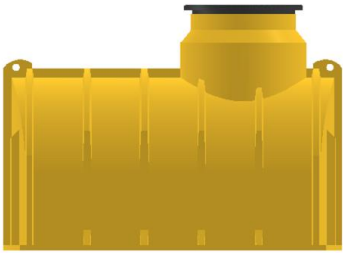
The HIRO manifold chamber compact series features high packing density and operating efficiency. High quality, certified materials and components in combination with top-notch workmanship compliant to EN 1852 ensure safe installation, high static stability, trouble-free operation, and a long service life. Our line-up comprises five chamber sizes, featuring manifold diameters between 63 mm and 250 mm. This allows us to design optimal solutions with low flow resistance for any application, resulting in reduced energy consumption of the brine pump.

The connecting pipes have been welded to the manifold chamber with triple fluid-tight welds and are ready for jointing with electrofusion fittings. All manifold systems undergo pressure testing at the manufacturing plant. The chambers are equipped with a high quality, storm water-tight, UV-resistant plastic (PE/PP) lid, rated Class A35 load category. This means they can hold up to wheel loads of up to 3.5 t. All manifolds are securely suspended with floor-mount supports and are able to withstand the weight of a person should they accidentally be stepped on.

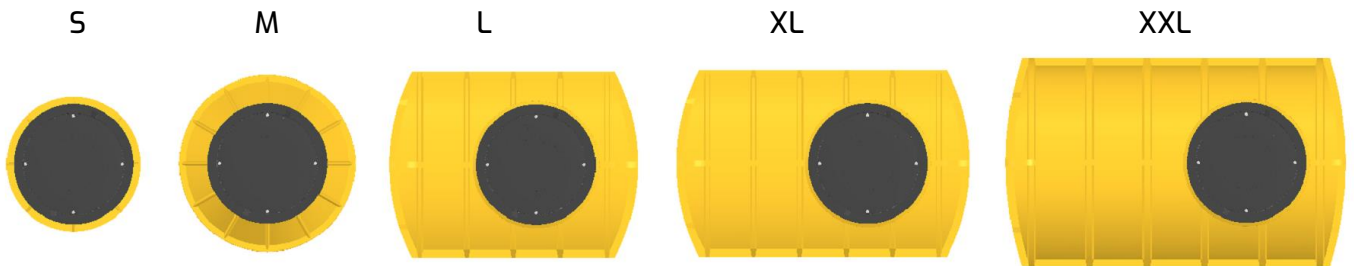
TECHNICAL DATA

- MANIFOLD OD 63 – 250, PE100 RC pipe SDR11 PN16
- 2–34 brine circuits with individual isolation valve (PVC ball valve DN 25 with EPDM seals)
- Probe diameter OD 32, 40 or 50
- Probe to probe distance 100 mm
- Flow meter DN25 in selectable variable measurement ranges
- Circuit connection to brine pump available with or without isolation valve

CHAMBER SIZES

S	M	L	XL	XXL
				
Height [mm]				
860	1,160	1,210	1,210	1,595
Footprint [mm]				
Ø870	Ø1140	1200 x1610	1200 x 1900	1350 x 2200

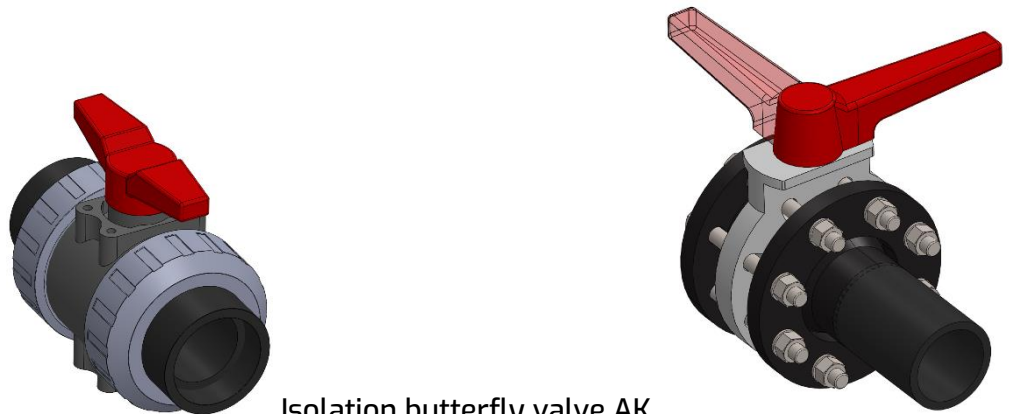
MANIFOLD/CHAMBER COMBINATIONS WITHOUT MAIN ISOLATION TO HEAT PUMP



Maximum number of brine circuits

S	M	L	XL	XXL
10	16	22	28	34

MANIFOLD/CHAMBER COMBINATIONS WITH MAIN ISOLATION TO HEAT PUMP



Isolation ball valve AH

Isolation butterfly valve AK

Isolation Valve	OD [mm] Manifold	S	M	L	XL	XXL
		Maximum number of brine circuits				
AH40	63	8	-	-	-	-
AH50	75, 63	8	-	-	-	-
AH65	90, 75	6	12	-	-	-
AH80	110, 90	-	10	18	24	30
AH100	125, 110	-	10	16	22	28
AK65	75	6	12	-	-	-
AK80	90, 75	-	12	18	24	30
AK100	125, 110	-	10	18	24	30
AK125	140	-	-	16	22	28
AK150	180, 160	-	-	16	22	28
AK200	225, 200	-	-	-	-	28

ITEM NUMBERING SYSTEM

The entire specification of our manifold chambers is reflected in the item number.

