



Disc Diffuser

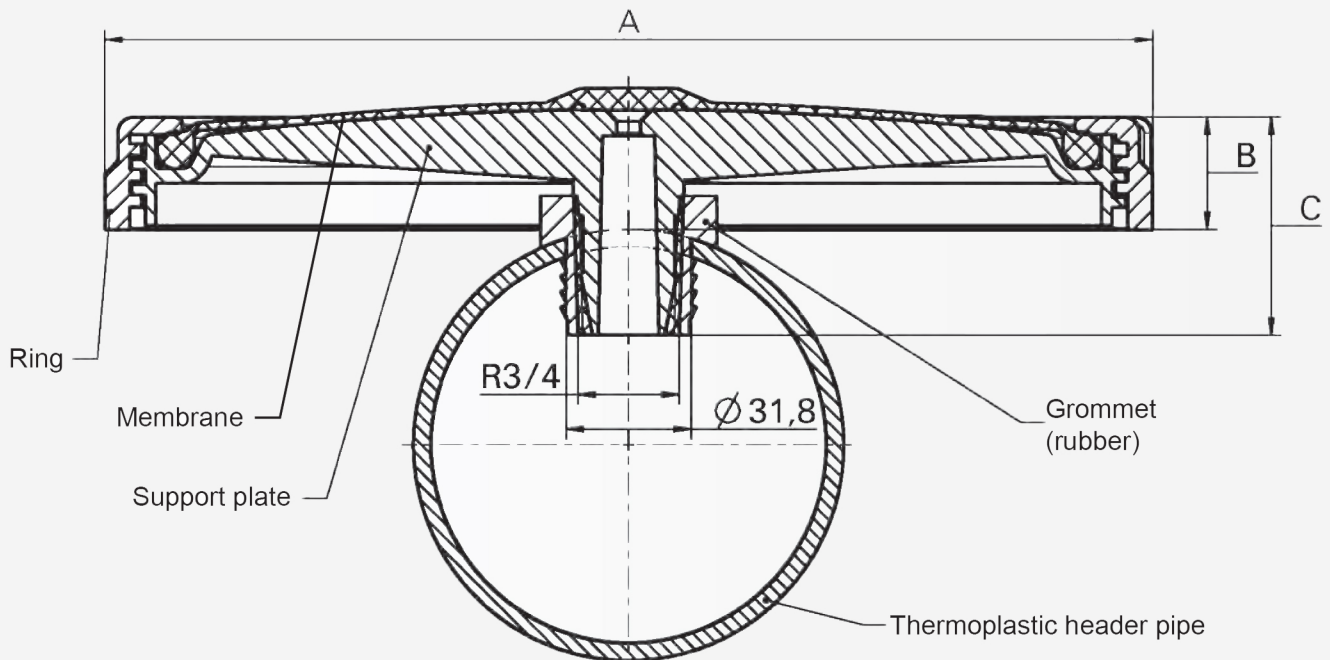
HD 270 / HD 340

Product Characteristics

- Low Installation Cost
- High Reliability
- Great Performance
- Low Maintenance
- Cost Effective Design

Dimensions

Type	Height (C) mm	Diameter Total (A) mm	Diameter Effective mm	Overall Height Membrane (B) mm	Perforated Area m ²	Disc Material	Membrane Material	Total Weight Kg
HD 270	58	270	220	30	0.037	PP GF 30	EPDM	0.6
HD 340	76	340	310	46	0.06	PP GF 30	EPDM	0.85



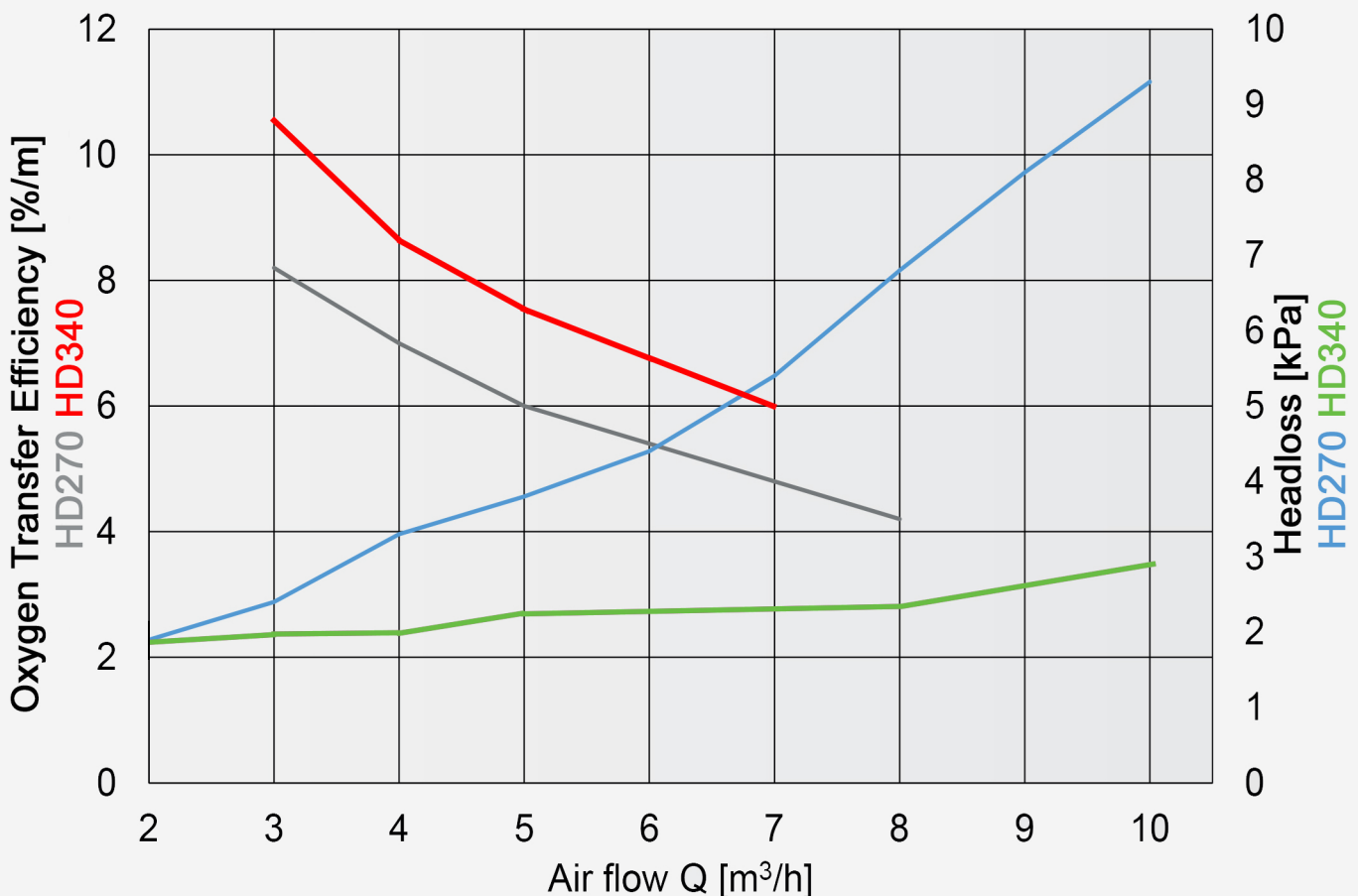
Type	Permitted Wall Thickness of Header Tube mm	Diameter Straight-Drilled Hole mm	Material	Colour
Universal Saddle	2-8	31.8 (1 1/4")	EPDM 75 Sh A	Black

Properties of Membranes

Material	EPDM F 053 A
Colour	Black
Wall Thickness	2.0 mm ± 0.15 mm
Density DIN 53479	< 1.2 g/cm ³
Tensile Strength DIN 53504	> 7 N/mm ²
Elongation on Break DIN 53504	> 500 %
Tear Strength DIN 53507	> 6 N/mm
Hardness DIN 53505	50 ± 5 Shore A
Tension Set 100% Tension 24 h, RT	< 5 %
Operating Temperature	0 to 80°C
Application	Municipal waste Water

Oxygen Transfer Efficiency and Headloss

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Air Flow

- The operating conditions depend on the selected material and the slot
- Non-standard slots are provided on request
- Shutdown of operation is highly recommended for air flow rates lower than minimum rate
- Overload air flow rate should not be applied longer than 10 min. per day.

Type	Operation Conditions m_N^3/h	Max. Overload / Maintenance m_N^3/h
HD 270	1.5 - 6	10
HD 340	2 - 10	15