JÄGER EnviroTech

JetFlex® DS 32 Water Aeration

Data sheet

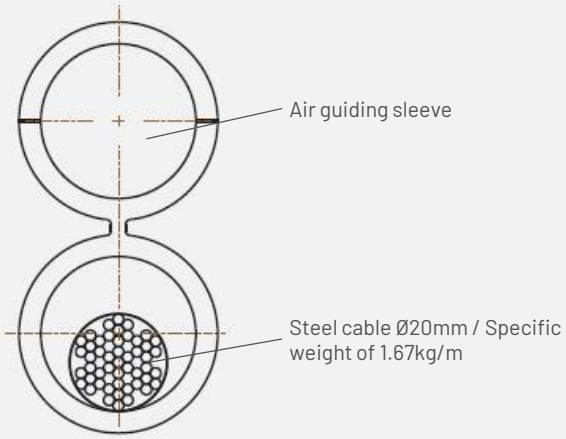
JetFlex® DS 32 Water Aeration

Dimensions

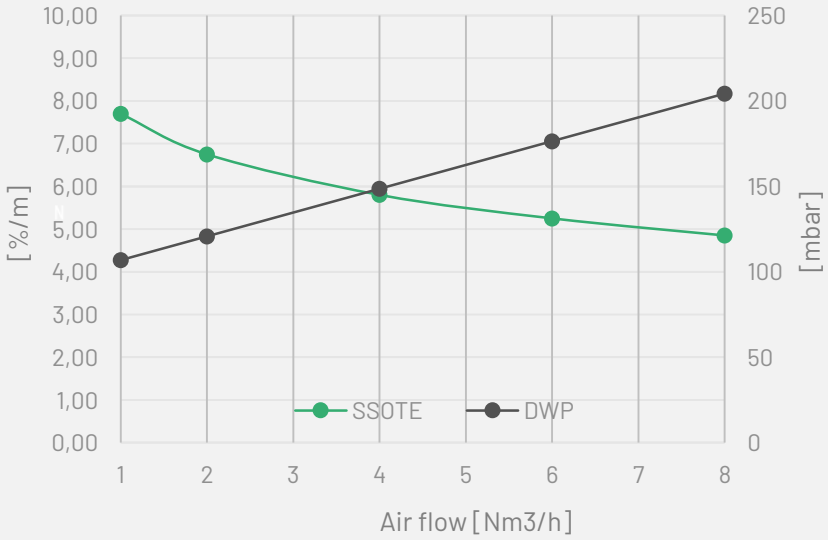
Material	Sleeve diameter	Wall thickness	Max. length
EPDM Performance Plus	32 mm	4 mm	40 m

Length	Perforation area	Air flow rate at standard operating condition	Max overload/ maintenance air flow rate
Up to 40 m	0,08 m^2/m	1 – 8 m_N^3/h .m	12 m_N^3/h

Drawing



SSOTE and headloss



Membrane material

	Techn. Standard	EPDM performance Plus
Colour		black
Plasticiser (%)		35
Density (g/cm^3)	DIN EN ISO 1183-1	1,11
Tensile strength (N/mm^2)	DIN 53504	>8,5
Elongation at break (%)	DIN 53504	>550
Tear strength (N/mm)	DIN EN ISO 34-1	>10
Hardness (Shore A)	DIN ISO 7619-1	43 ± 5
Operating air temperature (°C)		5-80
Operating water temperature (°C)		5-40

For further details please refer to our installation and operating instructions

JetFlex® DS 32 Water Aeration

System description

Aeration systems consisting of the **JetFlex® DS 32** are used to efficiently aerate and mix water bodies. In other applications, rising bubbles can be used to form barriers for certain substances. Examples are oil or sediment barriers.

Efficient oxygenation significantly improves water quality in aquatic environments, which is important for the well-being of fish and other aquatic life. It also supports the natural breakdown of pollutants and limits algae growth, resulting in a clear and healthy environment for all aquatic life. With the rising bubbles, an upward current is created that forms a barrier to components floating on and under water. This can prevent the washing out of sediments during construction or the spread of harmful substances such as oil.

An essential part of this aeration system is a double hose. One of the two hoses is perforated and thus creates the rising air bubbles when supplied with air. The connected, second hose is equipped with a steel cable to neutralize the buoyancy. In this way, the system can be installed without ground anchoring. Either the hose is pulled into position from the water's edge or it is laid directly from a boat or raft to the point of use. A steel cable of Ø20mm with a specific weight of 1.67kg/m is used as a weighting element. This must be free of oils on the surface and inside. The grade used can be adapted to the conditions.

Accessoires

End plug

Threaded clamp (stainless steel)

Coupling piece (PP pipe 32 mm)

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