



JÄGER
Umwelt-Technik



CATALOG

ACCESSORIES

ACCESSORIES FOR DISC DIFFUSERS



Rubber Saddles

JetFlex® Disc Diffusers with R $\frac{3}{4}$ " nipple may be installed onto all plastic pipes suitable for waste water and hot air. Grommets are suitable for all plastic pipes with outer diameter between 63 and 80 mm respectively 88 and 141 mm (3 $\frac{1}{2}$ and 59/16 inch). Wall thickness for the Universal Saddle should be between 4 and 8 mm (5/32 and 5/16 inch). The exertion force for this saddle is approximately 850 N with discs properly installed. Universal Saddles work with all JetFlex® disc diffuser with $\frac{3}{4}$ " male thread. For further details please refer to our Technical Information "Installation (of JetFlex® Disc Diffusers) using EPDM-Grommets".

Description	Material	Color
rubber saddle universal R35	EPDM	black
rubber saddle universal R55	EPDM	black



PVC Saddles

PVC Saddles are made from U-PVC and may be glued onto 90 and 110 mm PVC pipes (U-PVC and/or C-PVC). They are equipped with a G $\frac{3}{4}$ " female thread. The opening in the header pipe should measure 36 ± 0.5 mm. You may rectify slight deviations in diameter and position of bore by accurately positioning the saddle on top of the pipe, thread pointing exactly upwards. For detailed information on gluing the saddle to the header please refer to instructions from glue manufacturers, e.g. Tangit by Henkel at www.tangit.com or equivalent. You may have to secure the position of the clamp by cable ties or similar means for 5 minutes or more depending on temperature.

Description	Material	Color
saddle 90 mm	PVC	white
saddle 90 mm	soft PVC	transparent
saddle 110 mm	PVC	white
saddle 110 mm	soft PVC	transparent



Check Valve

(for JetFlex® HD200, HD270 and HD340 with R $\frac{3}{4}$ external thread)

Check valves (non-return-valves) consist of a PP housing containing an 8 mm SS-ball. The stainless-steel ball prevents backflow of sludge into headers in case of damage to the membrane of the disc. Check valves alter the headloss characteristic of JetFlex® disc diffusers, so do not install discs with and without check valve in the same tank or on the same grid. Check valves work best if discs are installed using our clamp adaptors 90 N or our rubber saddles, see above.

Description	Material	Color
non-return valve	PPC30%GF/SS	white

ACCESSORIES FOR DISC AND TUBE DIFFUSERS

Clamp Adapters

Clamp adapters come in a variety of sizes and threads. They require a 40 +0 -1 mm resp. 16 +1 -0 mm hole in the header pipe. For disc diffusers this hole must point exactly upwards. Short tube diffusers (max. 560 mm length) have to be leveled within ± 5 mm at the ends, so both 40 mm holes must be aligned horizontally. Tube diffusers longer than 560 mm should be fixed using our fixing plates and L-brackets mentioned on page 6. All clamps come with a cable-tie-like mounting aid freeing your hands during installation. Clamps are installed in pairs. You need two threaded ones (1" male) for a pair of tubes or one threaded and one blind one for a single tube. Discs require one threaded and one blind clamp.

Clamp adapters 90N have been designed especially for 90 mm headers with existing openings of about 15 mm. You may connect any JetFlex® disc diffuser with a set of one 90N-clamp R $\frac{3}{4}$ and one blind clamp. This threaded clamp easily accommodates our check-valve giving you full compatibility, if necessary. Clamp adapter 90N-G1 male thread may be used to connect tube diffusers onto 90 mm plastic headers. The clamp requires a 16 mm opening in the header (+1/-0 mm). This clamp causes some additional headloss for airflow rates above 8 m³/h per diffuser. Nuts, bolts and washers are within the scope of supply. O-Ring/sealing is included with all threaded clamps.



Clamp Adapters with external thread (only for TD65-2)

Description	Material	Color
clamp adapter 114.3 with 1" external thread	PP20%GF/SI/VA	black
clamp adapter 110 mm with 1" external thread	PP20%GF/SI/VA	black
clamp adapter 90 N-G1 with 1" external thread	PP20%GF/SI/VA	black



Clamp Adapters with internal thread

Description	Material	Color
clamp adapter 114,3 mm with $\frac{3}{4}$ " internal thread	PP20%GF/SI/VA	black
clamp adapter 110 mm with $\frac{3}{4}$ " internal thread	PP20%GF/SI/VA	black
clamp adapter 90 mm with $\frac{3}{4}$ " internal thread	PP20%GF/SI/VA	black



Clamp Adapters without thread (114.3 and 90 only for TD65-2)

Description	Material	Color
clamp adapter 114,3 mm without thread	PP20%GF/VA	black
clamp adapter 110 mm without thread	PP20%GF/VA	black
clamp adapter 90 mm without thread	PP20%GF/VA	black

ACCESSORIES FOR TUBE DIFFUSERS



Adapter

Existing diffusers on square tubes may be mounted using different connectors and openings. We carry adapters for existing openings of 40 and 45 mm. There is no need for an additional sealing.¹ The existing connectors are replaced by our 1" stainless-steel connectors, see further below.

Description	Material	Color
Flange sealing 40 mm	Desmopan	white
Flange sealing 45 mm	Desmopan	white

¹ As a matter of principle each carton with tube diffusers contains the appropriate amount of EPDM or silicone sealings. In combination with Desmopan Adapters you must not install the standard seals.



Stainless-steel clamps

Replacing sleeves requires new clamps to secure sleeves on support tubes. We do not recommend the use of worm-gear-clamps as these clamps may squeeze and crimp the sleeve. This may damage the sleeve or cause air-leakage at the clamp. See our installation instructions for details. V2A clamps (SS304) are stocked, V4A clamps (SS316) are available, too, but non-stock items.

Description	Material
clamp 66.5	V2A
clamp 68.0	V2A
clamp 69.5	V2A
clamp 95.0	V2A



Pincer

This pincer is ideally suited to close above mentioned stainless-steel clamps. A regular pair of pliers may deform the ear of the clamp and is regarded as an emergency repair tool only.

ACCESSORIES FOR TUBE DIFFUSERS



Sealing for Tube Diffusers JetFlex® TD65-2 G

Tube diffusers usually include all necessary sealing. If for any reason diffusers are disassembled we strongly recommend replacing the seals upon re-installation.

Description	Material	Color
sealing TD65-2 G1	silicone	red
sealing TD65-2 G¾	silicone	red



Sealing for Tube Diffusers JetFlex® TD63-0 (formerly TD 63/2 - - -)

Tube diffusers usually include all necessary sealing. If for any reason diffusers are disassembled we strongly recommend replacing the seals upon re-installation.

Description	Material	Color
sealing 63x27x4 mm	EPDM	black
sealing 63x34x4 mm	EPDM	black
sealing 63x27x4 mm	silicone	red
sealing 63x34x4 mm	silicone	red



Blind Plugs

Many tube diffusers in Europe are installed onto square-tube-headers. Occasionally there is the need to omit individual diffusers due to obstructions in the tank etc. Blind plugs allow you to install a single diffuser either side of the header. Of course, a pair of diffusers may be replaced by a pair of blind plugs, too. Diffusers with ¾" NPT usually are not installed in pairs, so the applicable blind plug serves as a cap or plug to shut off unused existing connections.

Description	Material	Color
blind plug ¾"	PP30%GF	green
blind plug 1"	PP30%GF	blue
blind plug ¾" NPT	PP30%GF	grey



Fixing Plates

Tube diffusers may be exposed to high water currents near blade mixers etc. This may cause oscillatory instability particularly with regard to long diffusers. In order to avoid flapping of diffusers this special end cap may be inserted into the far end of the tube and fixed to the ground. The end cap does not hamper water flowing into the open end of the diffuser keeping the buoyancy of the tube low. Please specify installation height of diffusers in order to select the proper length of the SS brackets.

Description	Material	Color	Threaded nut
Fixing plate for TD63	PP	green	M10
Fixing plate for TD65	PP	black	M8



Tail support

Description	Material
Bolt, washer, L-bracket	SS



Pipe Support

Pipe supports are made from stainless steel (ANSI 304/316) with adjustable height for laterals and headers in order to achieve optimum uniformity of aeration. Available sizes are for 3,5" and 7" laterals and headers as well as for 50, 110, 140, 160, 200 mm metric sizes. Please, call for details.

Description	Material
Pipe support	SS



Stainless-Steel Connectors (Square headers)

For almost all kinds of square and rectangular pipes there is a connector for our tube diffusers. Other lengths are available on request.

Description	Material
¾" connector, length 130 mm	V2A
¾" connector, length 150 mm	V2A
1" connector, length 130 mm	V2A
1" connector, length 150 mm	V2A
1" connector, length 170 mm	V2A
¾" connector, length 145 mm	V2A
¾" connector, length 165 mm	V2A
1" connector, length 145 mm	V2A
1" connector, length 165 mm	V2A
1" connector, length 185 mm	V2A

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