

BXTD – Tubular Diffuser



Rubber surface with microholes that act like one valve, dilating themselves in order to let out the air but closing up once the flow is interrupted preventing to the water to enter.

Applications:

- Wastewaters treatment
- Intermittent operation capability
- Clean water treatment
- Sludge stabilization
- Aeration of fish pond
- Aeration of streams and lakes

Code	Generic identification	Material	Outlet BSPP Female	Effective Total length	Effective Area	Capacity	Weight
BXTD03EN	Ø63 – 300 mm Tube Diffuser	EPDM	3/4"	300 – 350 mm	0.06 m ²	2 – 5 m ³	0.42 kg
BXTD03SN	Ø63 – 300 mm Tube Diffuser	Silicone	3/4"	300 – 350 mm	0.06 m ²	2 – 5 m ³	0.42 kg
BXTD05EN	Ø63 – 500 mm Tube Diffuser	EPDM	3/4"	500 – 550 mm	0.10 m ²	2 – 8 m ³	0.75 kg
BXTD05SN	Ø63 – 500 mm Tube Diffuser	Silicone	3/4"	500 – 550 mm	0.10 m ²	2 – 8 m ³	0.75 kg
BXTD08EN	Ø63 – 800 mm Tube Diffuser	EPDM	3/4"	800 – 850 mm	0.15 m ²	2 – 10 m ³	1.15 kg
BXTD08SN	Ø63 – 800 mm Tube Diffuser	Silicone	3/4"	800 – 850 mm	0.15 m ²	2 – 10 m ³	1.15 kg
BXTD10EN	Ø63 – 1000 mm Tube Diffuser	EPDM	3/4"	1000 – 1050 mm	0.20 m ²	2 – 12 m ³	1.40 kg
BXTD10SN	Ø63 – 1000 mm Tube Diffuser	Silicone	3/4"	1000 – 1050 mm	0.20 m ²	2 – 12 m ³	1.40 kg

Membrane Test Results			
Test Standard	Test Type	EPDM	Silicone
	Material Thickness	2 mm	2 mm
DIN53479	Density	1.06 ± 0.05	1.13 ± 0.05
DIN53504 SI	Tensile Strength	>10 N/mm ²	>10 N/mm ²
DIN53504 SII	Elongation	>500%	>450%
DIN53505	Hardness	50 ± 5 ShoreA	50 ± 5 ShoreA
	Lowest Temperature	- 45°C	- 45°C
	Highest Temperature	150°C	310°C