

D-REX[®]

membrane disc diffuser



Since 1986, OTT membrane diffusers have made a name for themselves with highest quality, performance and durability. The same holds true for **D-REX[®] 9"** disc diffusers.

One membrane material for all applications:

FLEXLON[®] is a membrane material with superb reliability even at high air temperatures and in challenging wastewaters. This specially engineered material provides outstanding chemical resistance and durability as well as reduced surface fouling. As a result, **D-REX[®] 9"** disc diffusers are equally well suited for municipal and industrial waste water treatment.

One size for all applications:

The frameless design of the diffuser body provides maximum aeration-active membrane surface. The aeration effected is uniform over the membrane's surface. These two benefits combine to increase oxygen transfer performance by up to 20 %. As a result, **D-REX[®] 9"** disc diffusers can often be used in place of conventional 12" disc diffusers, offering equal or better performance with substantial cost savings.

One connector base for all applications:

D-REX[®] 9" disc diffusers can be installed on any type of lateral piping including stainless steel, PVC, plastic and OTT **AirRex[®]** lines. Convenient adapters from OTT's standard accessory program are used to mount the connector base onto the piping at hand. As a result, **D-REX[®] 9"** disc diffusers can be quickly and easily integrated into any existing aeration system.



D-REX® – The New Generation of Disc Diffusers

The rugged, yet material-lean design of the diffuser body is your assurance of **maximum performance at minimum price!**

Dimensions and Specifications

O.D.	Effective membrane surface	Height	Connector threading	Overall weightt	Maximum throughput
275 mm	Ø 265 mm A = 0,055 m ²	46 mm	¾" BSP internal thread	641 g	10 Nm ³ /h

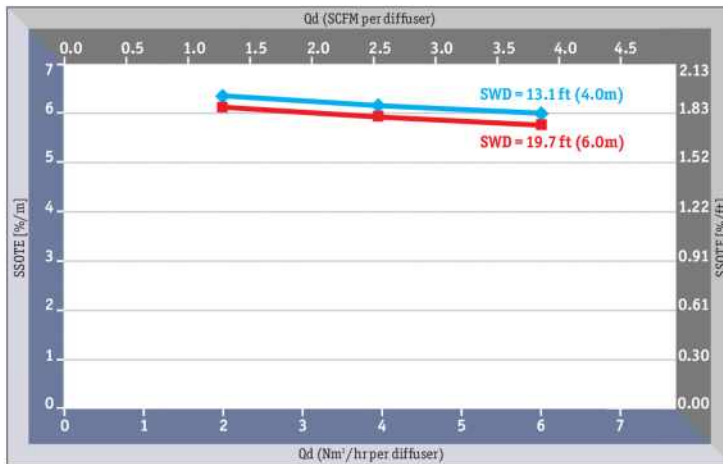
D-REX® FLEXLON® Features and Benefits

- + Permissible compressed air inlet temperatures up to 120°C (248°F), measured at transfer point at upper basin edge
- + Efficient, uniform aeration provided over entire throughput range
- + Outstanding chemical resistance
- + Excellent UV resistance
- + Rugged construction
- + Quick and easy installation



OTT D-REX® – Disc Diffusers

Efficiency by Design



Oxygen transfer efficiency (SSOTE) vs. throughput at diffuser spacing of 1 D-REX® per m²