ADVANTAGES

- Single mold technology to reduce costs
- Revolutionary "half moon" shape to reduce the coalescence phenomenon typical of tubular diffusers
- High efficiencies (SOTE up to 8% / m) and reduced pressure drops tested according to ASCE standards
- High resistance "environmentally friendly" polypropylene body (100 ° C)
- Membrane with low content of plasticizers to reduce shrinkage and loss of elasticity
- Connects with3/4" F NPT connection or 4" saddle (Set)
- Cost effective solution to replace traditional tubes

On the left a standard tubular diffuser where the coalescence bubbles at the bottom, reduces the overall efficiency.
On the right, the new ECT70 that guarantees maximum efficiency

MEMBRANE

MATERIAL	PRICE	LIFESPAN	MUNICIPAL	INDUSTRIAL
EPDM	●●●	●●	●●●	●●
PTFE	●●	●●●	●●●	●●●
SILICONE	●	●●	●	●●●
POLYURETHANE	●	●●	●	●●●

EPDM and PTFE available in stock
SILICONE and POLYURETHANE on request

85" (2165mm)
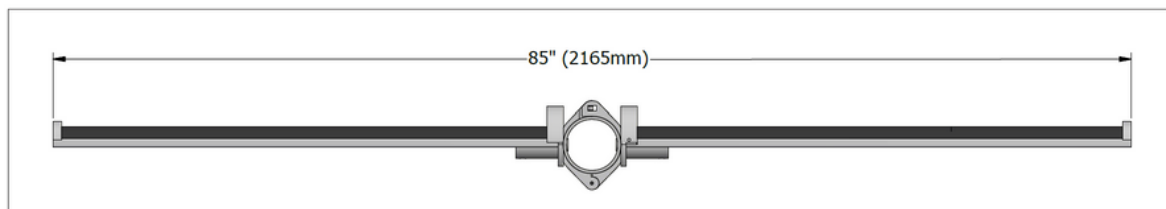
MODEL	SLIT SIZE	DESIGN FLOW	MIN/MAX FLOW	ACTIVE SURFACE AREA	CONNECTION	WEIGHT
ECT 70	1 MM 2 MM	0.7 - 7.0 SM3/H 1.2 - 9.0 SM3/H	0.7 - 10.0 SM3/H 1.2 - 12.0 SM3/H	0,10 M2	3/4"F NPT(*)	3700 GR

Data referred to a diffuser L = 1 m
(*) for single diffuser. Saddle mount D110 / 114.3 for mounting in pairs (set)

ECT70
Single Mold Tube Diffuser

ECT DIFFUSERS VS PANELS

	ECT70	PANEL
PIPING SYSTEM REQUIRED	PVC or Steel in (D110mm), Pipes affixed to floor using support stands	Polyethylene Pipe with Support Stands
MEMBRANE MATERIAL	EPDM (cost effective), PTFE (long life) silicone, PU	PU
IN OPERATION	Reduced stress on the membrane thanks to small size (1 meter length)	Long lengths (up to 4 meters) with high pressure drops outside of normal operating ranges
INSTALLATION COST	Single mold diffusers offer economical solution for a complete system	High cost for diffusers reduces budget available for piping and system assembly
EFFICIENCY	To fully compare the efficiency of both diffusers you have to consider the SOTE but also the energy efficency in terms of KgO2/kwh (SAE)	

ECT70

Single Mold Tube Diffuser