



Flanged Pressure Reducer

Description

The flanged pressure reducer assembly is required to restrict the flow of INERGEN® agent thus reducing the agent pressure down stream of the pressure reducer. The flanged pressure reducer assembly contains a stainless steel orifice plate which is drilled to the specific size hole required based on the flow calculation.* The orifice plate provides readily visible orifice identification. The flanged pressure reducer assembly is available in three sizes; 2 1/2, 3, and 4 in. Each size is available in threaded, slip-on, and weld neck flange.

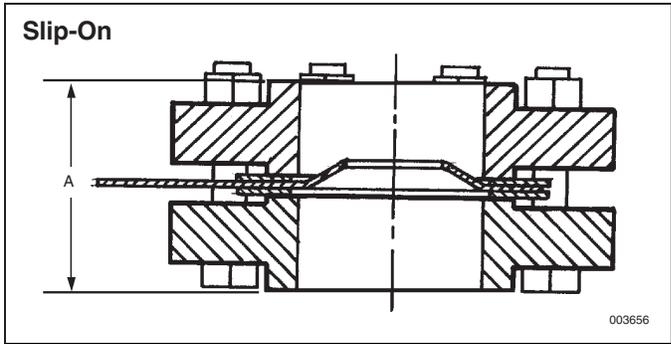
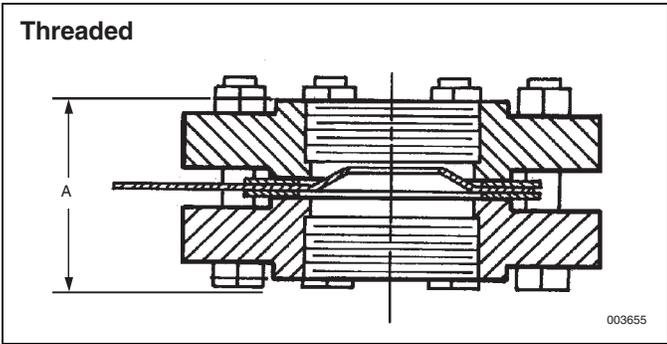
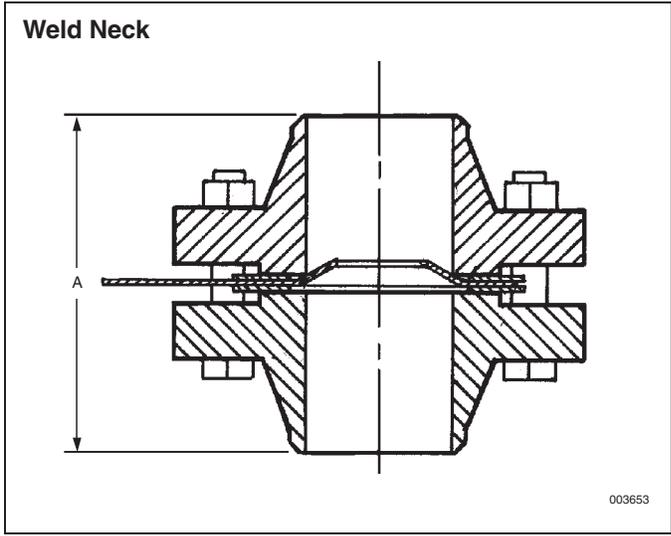
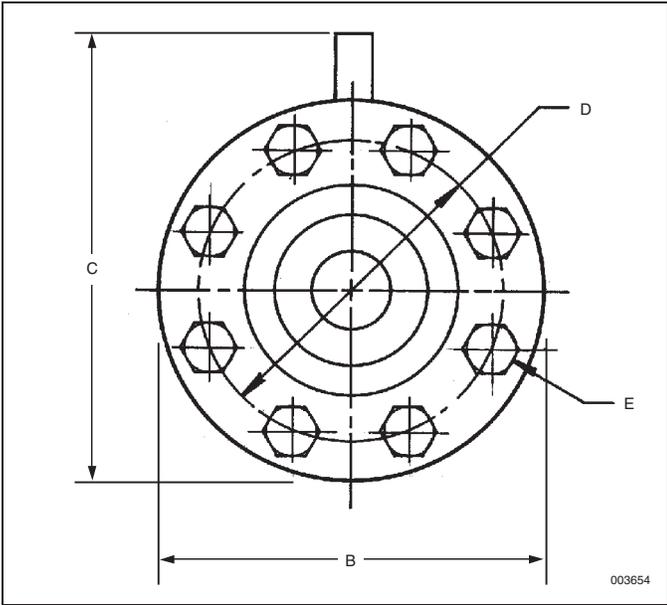
All orifice plates must be installed in the piping system with the orifice identification information on the tab facing the pressure inlet side of the system.

Component	Material	Approvals
Flange	Forged Steel	UL Listed (EX-4510)
Flange Gasket	Stainless Steel	
Orifice Plate	Stainless Steel	
Bolts	Plated Steel, Grade 5	

Shipping Assembly Part No.	Description	A	B	C	D	E
426823	2 1/2 in. Threaded	4.23 in. (10.7 cm)	7.50 in. (19.1 cm)	9.70 in. (24.6 cm)	5.88 in. (14.9 cm)	.88 in. (8) (2.2 cm)
426824	3 in. Threaded	4.10 in. (10.4 cm)	8.25 in. (20.9 cm)	10.46 in. (26.6 cm)	6.63 in. (16.8 cm)	.88 in. (8) (2.2 cm)
426825	4 in. Threaded	4.73 in. (12.0 cm)	10.75 in. (27.3 cm)	12.59 in. (31.9 cm)	8.50 in. (21.6 cm)	1.00 in. (8) (2.5 cm)
426847	2 1/2 in. Slip-on	4.24 in. (10.8 cm)	7.50 in. (19.1 cm)	9.70 in. (24.6 cm)	5.88 in. (14.9 cm)	.88 in. (8) (2.2 cm)
426848	3 in. Slip-on	4.60 in. (11.7 cm)	8.25 in. (20.9 cm)	10.46 in. (26.6 cm)	6.63 in. (16.8 cm)	.88 in. (8) (2.2 cm)
426849	4 in. Slip-on	5.24 in. (13.3 cm)	10.75 in. (27.3 cm)	12.59 in. (31.9 cm)	8.50 in. (21.6 cm)	1.00 in. (8) (2.5 cm)
426853	2 1/2 in. Weld Neck	7.23 in. (18.4 cm)	7.50 in. (19.1 cm)	9.70 in. (24.6 cm)	5.88 in. (14.9 cm)	.88 in. (8) (2.2 cm)
426854	3 in. Weld Neck	7.48 in. (18.9 cm)	8.25 in. (20.9 cm)	10.46 in. (26.6 cm)	6.63 in. (16.8 cm)	.88 in. (8) (2.2 cm)
426855	4 in. Weld Neck	8.98 in. (22.8 cm)	10.75 in. (27.3 cm)	12.59 in. (31.9 cm)	8.50 in. (21.6 cm)	1.00 in. (8) (2.5 cm)

- ▶ NOTE: Refer to “Nozzle/Pressure Reducer Range Chart” in Design Section for detailed orifice range information.

* Orifice diameter must be specified when placing order.



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