

MODEL D SHELL & TUBE HEAT EXCHANGER

mixing & heat transfer

High-Performance Construction

The Model D offers a roster of capabilities to meet high-corrosion, high pressure, full vacuum, high temperature process needs effectively. It can cope with the most stringent demands for product purity, process versatility and ease of maintenance.

At the heart of its toughness and versatility is a steel reinforced, glass filled TFE tube sheet. The tube sheet underlies the Model D's differential pressure capability of 90 psig with process temperatures in excess of 300°F.

It is available in models ranging from 40 to 505 sq. ft. of heat transfer. Standard units are equipped with a carbon steel shell, glass tubes, PTFE baffles, and individual tube seals. Single-, double- or triple pass designs are available. Bonnets, shell and tubes can be provided to customer material specifications.

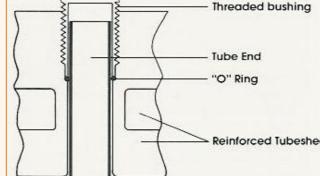
Maximum Operating Temperature	DN 6 - DN12 DN18	350°F 350°F
Maximum Operating Pressure	DN 6 - DN 12 DN 18	75 psig 60 psig
Maximum Thermal Shock	All Sizes	162°F

Options for Materials of Construction

Shell and Bonnets Stainless Steel **Enamelled Steel**

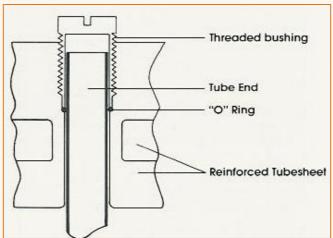
Tubes SiC

> **Exotic Metals** Quartz Glass



The Model D Sealing Mechanism

The model D features individual tube seals. By tightening the PTFE bushing the "O" ring is compressed forming the tube seal. This allows an extremely reliable seal and simple replacement or plugging of tubes from the end.



For More Information

Contact by phone...800-722-2405 Contact by fax...908-889-4954

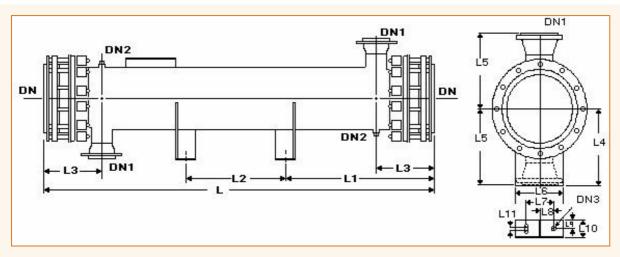
Contact by e-mail...sales@ddpsinc.com





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L 10	6/40 101 1/4 23 3/4 63 13/16 8 5/ ² 8 7 1/ 6 3 1 1/ 2	/2	8/68 101 13/16 24 53 13/16	8/91 133 5/16 31 71 5/16 9 5/8 9 8 1/2 6 1/2 3 1/2 1 3/4	8/110 160 7/8 38 84 7/8	10/138 133 5/16 31 71 5/16 10 1 12 11 1 6	2 1/2 0	11	12/280 160 7/8 38 84 7/8 0 1/2 12 1/2 10 6 3	15 1 1	18/505 162 1/8 38 5/8 84 7/8 1/4 1/2 5 6 2
L1 2: L2 53 L3 L4 L5 L6 L7 L8 L9 L10 L11 DN	23 3/4 3 13/16 8 5/ 8 7 1/ 6 3 1 1/ 2	37 3/4 84 7/8 16 /2	24	31 71 5/16 9 5/8 9 8 1/2 6 1/2 3 1/2 1 3/4	38	31 71 5/16 10 1 12 11 1	38 84 7/8 1/2 2 1/2 0	31 71 5/16 10	38 84 7/8 0 1/2 112 11/2 10 6	29 7/8 43 1/4 19 15 1 1	38 5/8 84 7/8 1/4 1/2 5 6
L2 53 L3 L4 L5 L6 L7 L8 L9 L10 L11 DN	8 5/- 8 5/- 8 7 1/ 6 3 1 1/	84 7/8 16 /2		71 5/16 9 5/8 9 8 1/2 6 1/2 3 1/2 1 3/4		71 5/16 10 1 12 11 1 10 6	84 7/8 1/2 2 1/2 0	71 5/16 10	84 7/8 0 1/2 12 1/2 10 6	43 1/4 19 15 1 1	84 7/8 1/4 1/2 5 6
L3 L4 L5 L6 L7 L8 L9 L10 L11 DN	8 5/ ² 8 7 1/ 6 3 1 1/ 2	16 /2 /2	53 13/16	9 5/8 9 8 1/2 6 1/2 3 1/2 1 3/4	84 7/8	10 1 12 11 1 10 6	1/1/2 2 2 11/2 0	10	1/2 12 1/2 10 6	19 15 1 1	1/4 1/2 5 6
L4 L5 L6 L7 L8 L9 L10 L11 DN	8 7 1/ 6 3 1 1/ 2	/2		9 8 1/2 6 1/2 3 1/2 1 3/4		12 11 1 10 6	2 1/2 0	11	12 1/2 10 6	15 1 1	1/2 5 6 2
L5 L6 L7 L8 L9 L10 L11 DN	7 1/ 6 3 1 1/ 2	/2		8 1/2 6 1/2 3 1/2 1 3/4		11 1 10	1/2	11	1/2 10 6	1 1	5 6 2
L6 L7 L8 L9 L10 L11 DN	6 3 1 1/ 2	/2		6 1/2 3 1/2 1 3/4		10	0		6	1	6
L7 L8 L9 L10 L11 DN	3 1 1/	/2		3 1/2 1 3/4		6	j		6	1	2
L8 L9 L10 L11 DN	1 1/	/2		1 3/4							
L9 L10 L11 DN	2					3	}		3		3
L10 L11 DN						3		3			
L11 DN	4		2			2		2		3	
DN				4		4		4		6	
	1/2	2		1/2		1/2	2	1/2		1/2	
DN1	6			8		10		12		18	
DIVI	2		3		4		4		6		
DN2	3/4	4	3/4		3/4		3/4		3/4		
DN3	3/4	4	3/4		1		1		1		
Heat Ttransfer Area ft ²	40	68	68	91	110	138	168	230	280	315	505
Number of Tubes	36	36	60	60	60	90	90	150	150	276	276

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