

# PURI-TEQ

Plant Reliability Study HAZOP Study  
Environmental Consulting  
Quality Assurance Assistance Process Design  
Hazard And Operability Study  
Bio Filter Bio Tricking Filter  
Air Pollution Control  
Specialist Equipment Process Review  
Air Abatement

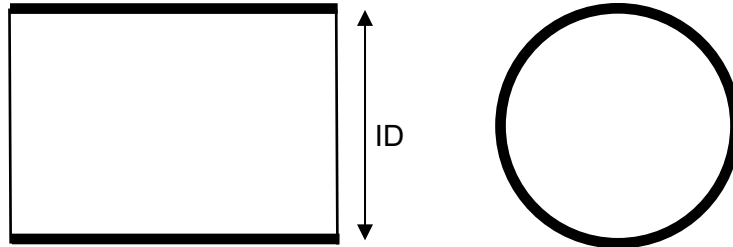
## Fiberglass Reinforced Plastic (FRP) Duct and Fittings Data

**1. Reference Standard:**

- a. ASTM D3982 Standard Specification for Contact Molded "Fiberglass" (Glass Fiber Reinforced Thermosetting Resin) Ducts
- b. SMAGNA Thermoset FRP Duct Construction Manual
- c. ASME/ANSI RTP-1 Reinforced Thermoset Plastic Corrosion-Resistant Equipment
- d. BS4994 Specification for Design and Construction of Vessels and Tanks In Reinforced Plastic

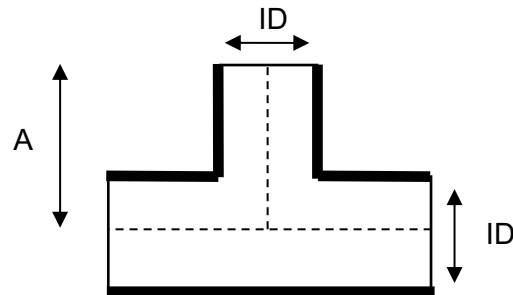


## ROUND DUCT – FILAMENT WOUND



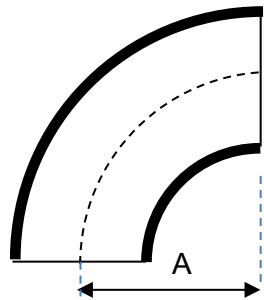
<b>*Round Duct ID</b>	<b>Min Wall Thickness</b>	<b>Notes:</b>
<b>mm</b>	<b>mm</b>	
70	3.2	1) Wall thickness (T) includes corrosion barrier and interior 2) Customized size for above 1500 to 4000 mm are available based on client request.
100	3.2	
125	3.2	
150	3.2	
200	3.2	
250	3.6	
300	3.6	
350	3.6	
400	4.4	
450	4.4	
509	4.4	
600	5.5	
700	5.5	
750	5.5	
850	6.6	
900	6.6	
950	6.6	
1000	7.4	
1150	7.4	
1200	7.4	
1250	7.4	
1350	8.5	
1500	8.5	

## EQUAL TEE



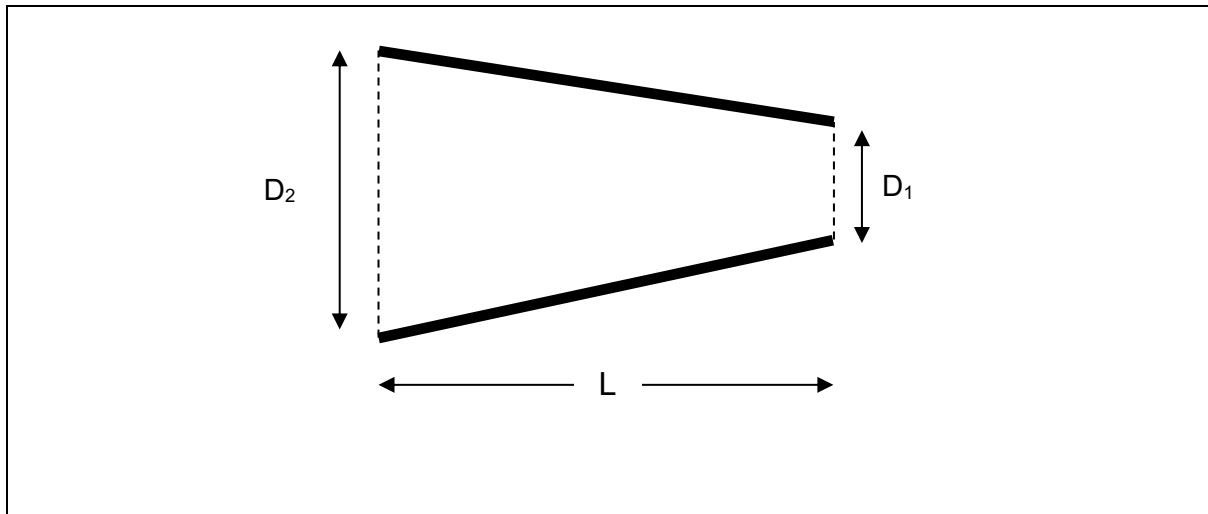
INSIDE DIAMETER	CENTER TO FACE	FACE TO FACE	Notes:
ID	A	B	
50	152	305	1) Wall thickness (T) includes corrosion barrier and interior 2) Customized size for above 1500 to 4000 mm are available based on client request.
75	178	356	
100	203	406	
150	254	508	
200	305	610	
250	356	711	
300	406	813	
350	457	914	
400	508	1016	
450	533	1067	
500	559	1118	
600	610	1219	
750	762	1524	
900	838	1676	
1000	914	1829	
1200	1016	2032	
1300	1118	2235	
1500	1270	2540	

## 90° ELBOW – LONG RADIUS



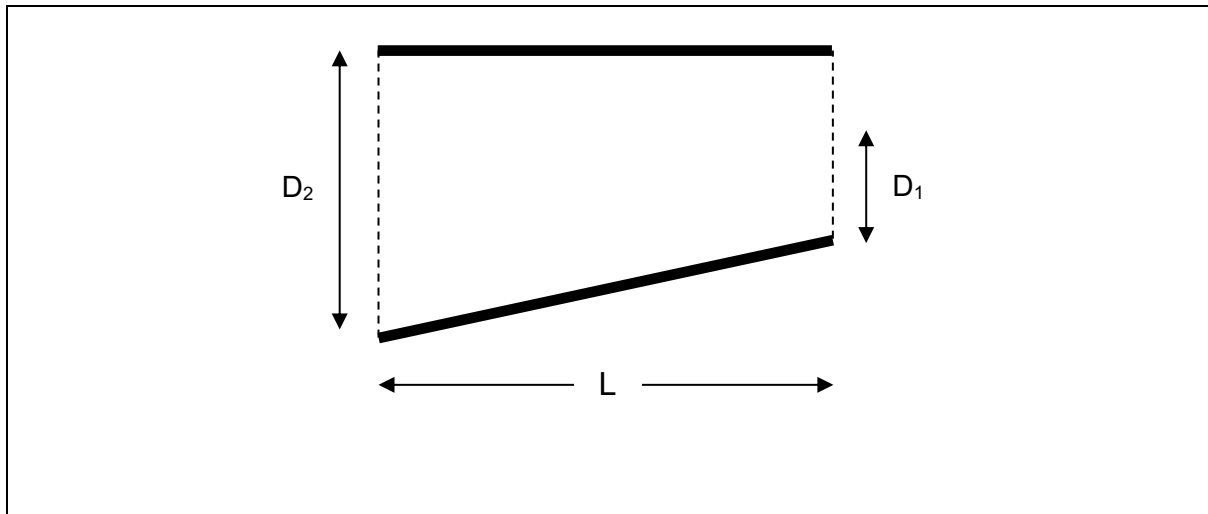
<b>INSIDE DIAMETER</b>	<b>F</b>	<b>Notes:</b>
<b>ID - MM</b>	<b>mm</b>	
70	114	1) Wall thickness (T) includes corrosion barrier and interior 2) Size above DN700 can be in Mitred Elbow. To be confirmed during order confirmation. Customized size for above 1500 to 4000 mm are available based on client request.
100	153	
125	188	
150	228	
200	305	
250	381	
300	458	
350	534	
400	609	
450	688	
500	762	
600	915	
700	1050	
750	1143	
850	1275	
900	1371	
950	1425	
1000	1601	
1100	1725	
1200	1829	
1250	1875	
1350	2058	
1500	2286	

## CONCENTRIC REDUCER



Reduce From	Reduce To	L	Notes:
$D_2$	$D_1$	mm	
70	$D_1$	$2.5 (D_2 - D_1)$	1) Wall thickness (T) includes corrosion barrier and interior 2) Customized size for above 1500 to 4000 mm are available based on client request.
100	$D_1$	$2.5 (D_2 - D_1)$	
125	$D_1$	$2.5 (D_2 - D_1)$	
150	$D_1$	$2.5 (D_2 - D_1)$	
200	$D_1$	$2.5 (D_2 - D_1)$	
250	$D_1$	$2.5 (D_2 - D_1)$	
300	$D_1$	$2.5 (D_2 - D_1)$	
350	$D_1$	$2.5 (D_2 - D_1)$	
400	$D_1$	$2.5 (D_2 - D_1)$	
450	$D_1$	$2.5 (D_2 - D_1)$	
500	$D_1$	$2.5 (D_2 - D_1)$	
600	$D_1$	$2.5 (D_2 - D_1)$	
700	$D_1$	$2.5 (D_2 - D_1)$	
750	$D_1$	$2.5 (D_2 - D_1)$	
850	$D_1$	$2.5 (D_2 - D_1)$	
900	$D_1$	$2.5 (D_2 - D_1)$	
950	$D_1$	$2.5 (D_2 - D_1)$	
1000	$D_1$	$2.5 (D_2 - D_1)$	
1100	$D_1$	$2.5 (D_2 - D_1)$	
1200	$D_1$	$2.5 (D_2 - D_1)$	
1250	$D_1$	$2.5 (D_2 - D_1)$	
1350	$D_1$	$2.5 (D_2 - D_1)$	
1500	$D_1$	$2.5 (D_2 - D_1)$	

## ECCENTRIC REDUCER



Reduce From	Reduce To	L	Notes:
$D_2$	$D_1$	mm	
70	$D_1$	$2.5 (D_2 - D_1)$	3) Wall thickness (T) includes corrosion barrier and interior 4) Customized size for above 1500 to 4000 mm are available based on client request.
100	$D_1$	$2.5 (D_2 - D_1)$	
125	$D_1$	$2.5 (D_2 - D_1)$	
150	$D_1$	$2.5 (D_2 - D_1)$	
200	$D_1$	$2.5 (D_2 - D_1)$	
250	$D_1$	$2.5 (D_2 - D_1)$	
300	$D_1$	$2.5 (D_2 - D_1)$	
350	$D_1$	$2.5 (D_2 - D_1)$	
400	$D_1$	$2.5 (D_2 - D_1)$	
450	$D_1$	$2.5 (D_2 - D_1)$	
500	$D_1$	$2.5 (D_2 - D_1)$	
600	$D_1$	$2.5 (D_2 - D_1)$	
700	$D_1$	$2.5 (D_2 - D_1)$	
750	$D_1$	$2.5 (D_2 - D_1)$	
850	$D_1$	$2.5 (D_2 - D_1)$	
900	$D_1$	$2.5 (D_2 - D_1)$	
950	$D_1$	$2.5 (D_2 - D_1)$	
1000	$D_1$	$2.5 (D_2 - D_1)$	
1100	$D_1$	$2.5 (D_2 - D_1)$	
1200	$D_1$	$2.5 (D_2 - D_1)$	
1250	$D_1$	$2.5 (D_2 - D_1)$	
1350	$D_1$	$2.5 (D_2 - D_1)$	
1500	$D_1$	$2.5 (D_2 - D_1)$	