

Universal Arma-Gard™ (AGS) and Composite Universal Arma-Gard™ (AGX)

Burst Pressure Range in barg(psig) at 15-30C(59-86F)					
Nominal Bore		AGS		AGX	
mm	inch	min	max	min	max
25	1	0.7(10)	55(798)	0.35(5.1)	13(189)
40	1.5	0.48(7)	41(595)	0.25(3.6)	9.5(138)
50	2	0.28(4.1)	28(406)	0.15(2.2)	6(87)
65	2.5	0.21(3)	28(406)	0.1(1.5)	5.5(79.8)
80	3	0.21(3)	24(348)	0.1(1.5)	4.5(65.3)
100	4	0.14(2)	17(247)	0.06(0.87)	3(43.5)
150	6	0.1(1.5)	10(145)	0.05(0.73)	2(29)
200	8	0.07(1)	5.5(79.8)	0.03(0.44)	1(14.5)
250	10	0.07(1)	4.8(69.6)	0.03(0.44)	1(14.5)
300	12	0.07(1)	4.1(59.5)	0.03(0.44)	1(14.5)
350	14	0.07(1)	3.4(49.3)		

<65mm NB Performance Tolerance (Zero Manufacturing Design Range)			
Burst Pressure	Tolerance	Burst Pressure	Tolerance
≤0.21 Barg	+/-0.07 Barg	≤3 Psig	+/- 1 Psig
>0.21 – ≤1.7 Barg	+/- 0.18 Barg	>3 – ≤ 24.7 Psig	+/- 2.5 Psig
>1.7 Barg	+/- 10%	>24.7 Psig	+/- 10%

>65mm NB Performance Tolerance (Zero Manufacturing Design Range)			
Burst Pressure	Tolerance	Burst Pressure	Tolerance
<0.35 Barg	+/- 0.07 Barg	< 5 Psig	+/- 0.51 Psig
≥ 0.35 Barg	+/- 10%	≥ 5 Psig	+/- 10%

Free Flow Area / Minimum Net Flow Area (MNFA)							
Nominal Bore		AGX without Vacuum Dial (Etched Stainless Steel Support)* ¹		AGS Without Vacuum Dial		AGS & AGX With Vacuum Dial (NVS)	
mm	inch	mm ²	inch ²	mm ²	inch ²	mm ²	inch ²
25	1	284	0.44	507	0.79	269	0.42
40	1.5	638	0.99	1140	1.77	665	1.03
50	2	1135	1.76	2027	3.14	1348	2.09
65	2.5	1774	2.75	3167	4.91	2149	3.33
80	3	2554	3.96	4561	7.07	2925	4.53
100	4	4541	7.04	8108	12.57	4911	7.61
150	6	10217	15.84	18244	28.28	10780	16.71
200	8	17162	26.60	32433	50.27	17295	26.81
250	10	28379	43.99	50677	78.55	29943	46.41
300	12	40866	63.34	72975	113.11	43118	66.83

*¹ - Not suitable for full vacuum applications. AGX is a non-impregnated graphite rupture disc.

AGX to be used for temperatures above 180°C or lower burst pressures as per above tables.