
	Hydrostatic Pressure Test		Rev : 001
	Approved by :		Date : 9th AUGUST 2016

Customer PO number :	0371122
Flangeguards PO number :	98863

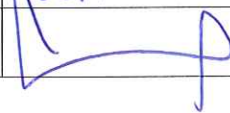
Summary

All five PTFE-Clear shields were tested at a pulsating pressure, averaging at 25Bar for one minute each.

Every shields stopped direct spray and mist formation with no sections of the PTFE or ECTFE compromised.

Test Shield No. 3 was tested beyond the average 25Bar pressure, up to 60Bar. Only at this point did the ECTFE material create a 'pimple' but even then, no hole was created.

All test shields passed this Hydrostatic Pressure Test

Test date:	9th AUGUST 2016
Test performed by:	JEFF HARWOOD
Signature :	

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Sample #	Part number	Material	Size	Test pressure	Pass / Fail
1	FG-PTFE.CL-600-2"	PTFE + ECTFE	600lb 2" WIDE	25 BAR	PASS
2	FG-PTFE.CL-600-2"	PTFE + ECTFE	600lb 2" WIDE	25 BAR	PASS
3	FG-PTFE.CL-600-2"	PTFE + ECTFE	600lb 2" WIDE	25 BAR	PASS
4	FG-PTFE.CL-600-2"	PTFE + ECTFE	600lb 2" WIDE	25 BAR	PASS
5	FG-PTFE.CL-600-2"	PTFE + ECTFE	600lb 2" WIDE	25 BAR	PASS

Leak design : We use a 3mm Ø hole in a st/st ring. This would cause the highest velocity leak path for a given pressure. A jet at this size has the capacity to do physical harm (at higher pressures) as well as create a jet spray over the largest distance. Thus causing a large cloud / mist of flammable, toxic (or at worst both) liquid which could cause harm to employees, fires, risk of explosion, etc, etc. A small high velocity leak also creates the greatest challenge for the shield as it has to withstand the physical nature of a high pressure jet trying to cut through the material. And it also demonstrates the flange guard's ability to control the leak path and contain it to a specific area.

We certify that the goods supplied for the above referenced order have been manufactured, inspected and tested in accordance with the specification contained in your above referenced Purchase Order and/or the applicable Flangeguards Quotation.

Flangeguards certifies that the referenced items were hydrostatically to the limits specified below	
All units were tested for a period of :	60 SECONDS PER SHIELD
Test date :	9 th AUGUST 2016
Test performed by :	JEFF HARWOOD