


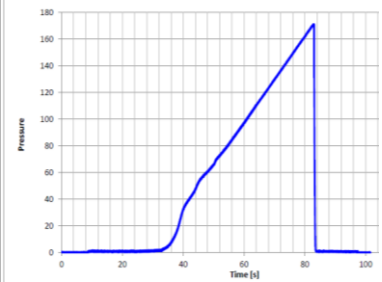


BURST TEST DATA SHEET


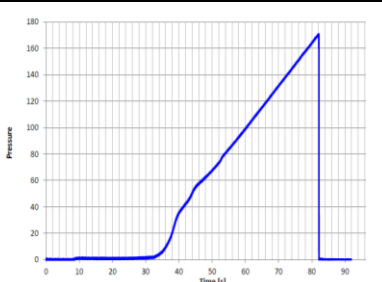
N°17-001/2	OPENING REPORT DATE	12/07/2017	PRODUCT SERIES	REFERENCE TEST	ISO 7241-2
	REQUEST	M.De Isabella	PLS		
	COMMUNICATIOIN	MAIL			
MECHANICAL DESIGNER	TYPE OF REPORT	INTERNAL	SIZE	CLOSING REPORT DATE	12/07/2017
Arienti C.	START DATE	07/02/2017	DN06	SIGNATURE D/TE	Tosoni G.
	END DATE	07/02/2017			

FINAL TECHNICAL CONSIDERATIONS


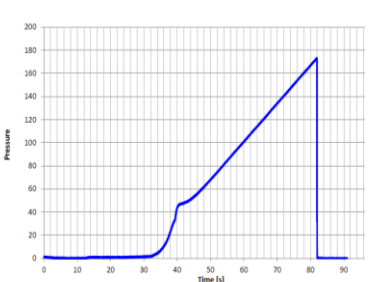
It was requested by Executive Manager Michele De Isabella to perform burst tests in three versions. The finals results meet those indicated in our catalogue

		FEMALE CODE: PLS1.0606.012	VALUE [Mpa]															
	 <p>BURST TEST</p> <table border="1"> <tr><td>Max Pressure</td><td>171.4</td><td>MPa</td><td>Type of failure:</td><td></td></tr> <tr><td>Temperature</td><td>25.8</td><td>°C</td><td>Comments:</td><td></td></tr> <tr><td>Gradient</td><td>3.1</td><td>MPa/s</td><td></td><td></td></tr> </table>	Max Pressure	171.4	MPa	Type of failure:		Temperature	25.8	°C	Comments:		Gradient	3.1	MPa/s			BURST PRESSURE	171
		Max Pressure	171.4	MPa	Type of failure:													
		Temperature	25.8	°C	Comments:													
		Gradient	3.1	MPa/s														
		CURRENT CATALOGUE VALUE	143															
		NEW CATALOGUE VALUE																
* STATIC PRESSURE (S.F 1:2)	70																	
* WORKING PRESSURE (S.F 1:4)	35																	

TYPE OF FAILURE: EXTRUSION O-RING AND BACK UP RING

		MALE CODE: PLS1.0606.013	VALUE [Mpa]															
	 <p>BURST TEST</p> <table border="1"> <tr><td>Max Pressure</td><td>171.1</td><td>MPa</td><td>Type of failure:</td><td></td></tr> <tr><td>Temperature</td><td>23.4</td><td>°C</td><td>Comments:</td><td></td></tr> <tr><td>Gradient</td><td>3.2</td><td>MPa/s</td><td></td><td></td></tr> </table>	Max Pressure	171.1	MPa	Type of failure:		Temperature	23.4	°C	Comments:		Gradient	3.2	MPa/s			BURST PRESSURE	171
		Max Pressure	171.1	MPa	Type of failure:													
		Temperature	23.4	°C	Comments:													
		Gradient	3.2	MPa/s														
		CURRENT CATALOGUE VALUE	170															
		NEW CATALOGUE VALUE																
*STATIC PRESSURE (S.F 1:2)	70																	
*WORKING PRESSURE (S.F 1:4)	35																	

TYPE OF FAILURE: THE THREAD OF THE FITTING SLIPPED OUT

		COUPLED	VALUE [Mpa]															
	 <p>BURST TEST</p> <table border="1"> <tr><td>Max Pressure</td><td>173.5</td><td>MPa</td><td>Type of failure:</td><td></td></tr> <tr><td>Temperature</td><td>31.0</td><td>°C</td><td>Comments:</td><td></td></tr> <tr><td>Gradient</td><td>3.2</td><td>MPa/s</td><td></td><td></td></tr> </table>	Max Pressure	173.5	MPa	Type of failure:		Temperature	31.0	°C	Comments:		Gradient	3.2	MPa/s			BURST PRESSURE	173,5
		Max Pressure	173.5	MPa	Type of failure:													
		Temperature	31.0	°C	Comments:													
		Gradient	3.2	MPa/s														
		CURRENT CATALOGUE VALUE	170															
		NEW CATALOGUE VALUE																
*STATIC PRESSURE (S.F 1:2)	70																	
*WORKING PRESSURE (S.F 1:4)	35																	

TYPE OF FAILURE: CRACKED FITTING

* SAFETY FACTOR: 1:4 FOR DYNAMIC PRESSURE AND 1:2 FOR STATIC PRESSURE