

160930_2- SharkBite PRESS

DATA SHEET

30/09/2016

UNIVERSAL PRESS FITTING MADE IN PPSU

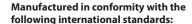
MATERIAL SPECIFICATION

PART	MATERIAL	
Fitting Body O-Ring internal	PPSU FPDM rubber Peroxido 70	
Sleeve	INOX 304	
Insert Brass (male) Insert Brass (Female)	CW617N CW617N	
iliseit biass (Telliale)	CWOI7IN	









ISO 21003. Multilayer piping systems for hot and cold water installations inside buildings.

ISO 15875. Plastic piping systems for hot and cold water installations – cross linked polyethylene (PE-X).

ISO 22391.Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT)



UNIVERSAL Press Fitting. Compatible with PEX and MULTILAYER pipes Compatible with "U"-" RF"- "TH" profiles tools

Maximum temperature 140° C - 40° C Mínimum temperature Maximum pressure at 95° C - 10 bar Maximum pressure at 23° C - 100 bar

FIELDS OF APLICCATION

Plumbing Heating Air Compresser

Table 2 - Derivation of test pressure, PR

		Application class		
	Class 1	Class 2	Class 4	Class 5
Maximum design temperature, I _{max} ("C)	80	80	70	90
Design pressure of the pipe construction, PCD (MPa)	b	b	b	b
Test temperature, T _{test} (°C) ^a	95	95	80	95
Test duration, r(h)	1 000	1 000	1 000	1 000
Hydrostatic pressure of the pipe construction, pc (MPa)	ь	ь	ь	ь
Test pressure, p _F (bar)				
for a design pressure, pD, of: 4 bar	ь	ь	ь	ь
6 bar	ь	ь	ь	b
8 bar	ь	ь	ь	b
10 ber	ь	ь	ь	ь
Number of test pieces	3	3	3	3

Table 5 - Test parameters for thermal cycling

		Application class			
	Class 1	Class 2	Class 4	Class 5	
Maximum design temperature, ர _{max} (°C)	80	80	70	90	
Highest test temperature (°C)	90	90	80	95	
Lowest test temperature (°C)	20	20	20	20	
Test pressure (bar) ^a	Po	₽b	Po	Po	
Number of cycles for $D < 63 \text{ mm}^{\text{b}}$	5 000	5 000	5 000	5 000	
Number of cycles for $D > 63$ mm c	2 500	2 500	2 500	2 500	
Number of test pieces	One set of fitt	One set of fittings with the configuration shown in EN 12293			
NOTE 1 bar = 0,1 MPa.	•				

Table A.1 — List of reference product sta

Table A: 1 — Elst of feleratics product standards		
Material	Reference product standard	
PB	ISO 15876-1, ISO 15876-2, ISO 15876-3, ISO 15876-5	
PE-RT	ISO 22391-1, ISO 22391-2, ISO 22391-3, ISO 22391-5	
PE-X	ISO 15875-1, ISO 15875-2, ISO 15875-3, ISO 15875-5	
PP	ISO 15874-1, ISO 15874-2, ISO 15874-3, ISO 15874-5	
PVC-C	ISO 15877-1, ISO 15877-2, ISO 15877-3, ISO 15877-5	

7 — Test parameters for leaktightness under v			
Test temperature	23 °C		
Number of test pieces	3		
Test pressure	- 0,8 bar		
Test duration	1h		
NOTE 1 ber = 0.1 MPa.			

rable 6 — reac parameters for pressure cycling			
Test temperature	23 °C		
Number of test pieces	3		
Frequency of pressure cycling	(30 ± 5) cycles per minute		
Number of cycles	10 000		
Test pressure limits for a design pressure of:	Upper limit	Lower limit	
4 bar	6,0 bar	0,5 ber	
6 bar	9,0 bar	0,5 bar	
8 bar	12,0 bar	0.5 ber	
10 bar	15,0 bar	0,5 bar	
NOTE 1 ber = 0.1 MPs.			

Each cycle shall comprise 15 min at the highest test temperature and 15 min at the lo