



# Instantor®

## Technical Specification Instantor® Press System Pipe With Insulation



Description:	Instantor® Press System Pipe with a closed cell Polyethylene Foam (PEF) Sheath
Application:	General Plumbing – Potable Cold and Hot water distribution. General water-based heating systems. Reduces Heat transfer, Condensation, expansion and noise transmissions. <i>Not suitable on uncontrolled/solid fuel primary applications.</i> <i>Not suitable for solar applications or Gas/LPG applications.</i>
Size Range:	Ø16mm Ø20mm, Ø26mm Ø32mm
System Min/Max Operating Pressure:	0 to 10 Bar. Classification 2/6Bar & 5/6Bar. See application class table per ISO21003-1
System Min/Max Operating Temperature:	-10°C (flowing fluid) to 95°C (Peak overload Temp of 110°C for a maximum of 1Hr)
Insulation Min/Max Service temperature:	ST(-20°C) – ST(+90°C)
Colour:	Pipe wall: White. Insulation Sheath: White, Red or Blue.
Thermal Conductivity: Insulation ISO8497	Standard Range 0.0397 @40°C. 0.0365@10°C & IPAP6 range = 0.035 @0°C, 0.031 @ -20°C 0.046 @ 40°C
Short term Water Absorption: EN13472:2013 [TUV]	WS05. 0.125Kg/m <sup>2</sup>
Trace Quantities of water-soluble Ions: EN13468:2001 [TUV]	Fluoride: Not Detected Chloride: Not Detected Silicate: Not Detected Sodium: Not Detected PH: 7.5
Water absorption by Vacuum [TUV]	4.36%
Material Specification:	Instantor® Pexb/Al/Pexb Pipe and Polyethylene [PE-LD] Foam Sheath
Manufactured to:	ISO9001:2015 ISO14001:2015 IS EN ISO 21003:2008. NSAI License No#1.153.001 EN14313:2015, EN13501:2018 BS6920:2014 WRAS Cert No#1707001 & #1804354 KIWA Cert No#2207718

### Product codes and descriptions

White	Red	Blue	Description <small>(Pipe O.D. x Length x sheath thickness)</small>	Fire Classification <small>EN13501:2018 EN13823 / ISO11925-2/ DIN4102</small>	Linear Heat loss <small>W/m</small>	Max Permissible Heat loss
IPAP201	IPAP301	IPAP401	16mm x 100M x 6mm	Euro Class: EL. DIN 4102: B2	-	-
IPAP202	IPAP302	IPAP402	20mm x 50M x 6mm	Euro Class: EL. DIN 4102: B2	-	-
IPAP203	IPAP303	IPAP403	26mm x 25M x 6mm	Euro Class: EL. DIN 4102: B2	-	-
IPAP204	IPAP304	IPAP404	32mm x 25M x 6mm	Euro Class: EL. DIN 4102: B2	-	-
IPAP205			26mm x 50M x 6mm	Euro Class: EL. DIN 4102: B2	-	-
IPAP501			16mm x 50M x 9mm	Euro Class: EL. DIN 4102: B2	7.008	7.89
IPAP502			20mm x 50M x 13mm	Euro Class: EL. DIN 4102: B2	7.436	9.12
IPAP503			26mm x 25M x 12mm	Euro Class: EL. DIN 4102: B2	9.491	10.07
IPAP601			16mm x 50M x 9mm	Euro Class: BL-S1-d0	7.452	7.89
IPAP602			20mm x 50M x 13mm	Euro Class: BL-S1-d0	8.003	9.12
IPAP603			26mm x 25M x 13mm	Euro Class: BL-S1-d0	9.674	10.07

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