



Superior Plumbing Products
Manufactured by Sanbra Fyffe









Product Overview

NSAI Certified to EN ISO 21003 and WRAS approved. INSTANTOR® Press fittings are manufactured using the same high-grade CW617N brass as our market leading range of INSTANTOR® Brass Compression fittings.

Every fitting features two EPDM O rings on each connection which, when pressed correctly, delivers a water-tight seal in seconds. Quick to install in three simple steps – Cut, Calibrate & Press, saving on time and costs as less fittings are required when compared with traditional plumbing methods. INSTANTOR® Press fittings are designed for use in sanitary water supply and heating systems.



View video on www.sanbra.ie

Max Operating Pressure: 10 bar Max Operating Temperature: 95°C Max Peak Temperature (at 1 hour): 110°C

Above specs relate to Instantor Press System combined with Instantor Pex-Al-Pex Multi Layer Pipe

Features

- Brass body manufactured from CW617N brass to EN ISO 21003.
- Suitable for use with the following pipes:
- Aluminium plastic composite /
 PE-X / PE-RT / PB/ Steel plastic composite
- Manufactured as standard for use with Aluminium plastic composite pipe.
- Operating Temperatures 0°C to 110°C
- 304 Stainless Steel sleeves

- Three viewing inspection windows per stainless steel sleeve to allow a visual check so as to ensure the pipe is correctly inserted
- Application class: 2/6 bar, class 5/6 bar
- Available in sizes 16mm, 20mm, 26mm & 32mm
- TH profile
- EPDM O-rings

Installation Instructions

- 1. Cut Cut the pipe squarely to desired length using an appropriate cutting tool
- 2. Calibrate Insert the reamer into the cut pipe and rotate, pushing slightly to remove all burrs and rough edges. NOTE, a poorly calibrated pipe could damage the O rings on insertion.
- 3. Connect and Press Connect the pipe and fitting and check pipe is fully inserted in the inspection windows. The white of the pipe must be viewable through these holes. DO NOT USE SEALING AGENTS SUCH AS PTFE TAPE OR JOINTING COMPOUND. Use TH Profile Jaws to press.









Make the connection with us socially

Superior Plumbing Products

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Fittings

IP10 STRAIGHT COUPLER

CODE	SIZE	PACK QTY	PRICE
IP10001	16mm	10	
IP10002	20mm	10	
IP10003	26mm	10	
IP10004	32mm	10	



IP10 STRAIGHT REDUCER

CODE	SIZE	PACK QTY	PRICE
IP10021	20 x 16mm	10	
IP10031	26 x 16mm	10	
IP10032	26 x 20mm	10	
IP10042	32 x 20mm	10	
IP10043	32 x 26mm	10	



IP11 STRAIGHT COUPLER M.I. X PIPE

CODE	SIZE	PACK QTY	PRICE
IP11001	½"M x 16mm	10	
IP11012	½"M x 20mm	10	
IP11013	½"M x 26mm	10	
IP11021	34"M x 16mm	10	
IP11002	34"M x 20mm	10	
IP11023	34"M x 26mm	10	
IP11032	1"M x 20mm	10	
IP11003	1"M x 26mm	10	
IP11034	1"M x 32mm	10	
IP11004	1¼"M x 32mm	10	



IP12 STRAIGHT COUPLER F.I. X PIPE

CODE	SIZE	PACK QTY	PRICE
IP12001	½"F x 16mm	10	
IP12013	½"F x 26mm	10	
IP12021	3/4"F x 16mm	10	
IP12002	3/4"F x 20mm	10	
IP12023	3/4"F x 26mm	10	
IP12032	1"F x 20mm	10	
IP12003	1"F x 26mm	10	
IP12034	1"F x 32mm	10	
IP12004	1¼"F x 32mm	10	



IP13 ADAPTOR

CODE	SIZE	PACK QTY	PRICE
IP13001	½"C x 16mm	10	
IP13002	3/4"C x 20mm	10	
IP13021	3/4"C x 16mm	10	
IP13023	3/4"C x 26mm	10	
IP13033	1"C X 26mm	10	
IP13034	1" C x 32mm	10	



IP13 ELBOW ADAPTOR

CODE	SIZE	PACK QTY	PRICE
IP13101	½"C x 16mm	10	
IP13102	3/4"C x 20mm	10	
IP13110	15mm C x 16mm	10	
IP13111	22mm C x 20mm	10	



IP14 SPIGOT

CODE	SIZE	PACK QTY	PRICE
IP14001	16mm x ½"	10	
IP14011	16mm x 15mm	10	
IP14002	20mm x ¾"	10	
IP14022	20mm x 22mm	10	
IP14003	26mm x ¾"	10	
IP14033	26mm x 22mm	10	
IP14004	26mm x 1"	10	
IP14044	26mm x 28mm	10	
IP14046	32mm x 28mm	10	



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IP15 ELBOW

CODE	SIZE	PACK QTY	PRICE
IP15001	16mm	10	
IP15002	20mm	10	
IP15003	26mm	10	
IP15004	32mm	10	



IP15 RADIATOR EXTENSION ELBOW

CODE	SIZE	PACK QTY	PRICE
IP15010	16mm x 300mm	10	



IP16 ELBOW M.I. X PIPE

CODE	SIZE	PACK QTY	PRICE
IP16001	½"M x 16mm	10	
IP16012	½"M x 20mm	10	
IP16002	¾"M x 20mm	10	
IP16023	¾"M x 26mm	10	
IP16032	1"M x 20mm	10	
IP16003	1"M x 26mm	10	
IP16034	1"M x 32mm	10	
IP16004	1¼"M x 32mm	10	



IP17 ELBOW F.I. X PIPE

CODE	SIZE	PACK QTY	PRICE
IP17001	½"F x 16mm	10	
IP17012	½"F x 20mm	10	
IP17013	½"F x 26mm	10	
IP17002	3/4"F x 20mm	10	
IP17023	¾"F x 26mm	10	
IP17032	1"F x 20mm	10	
IP17003	1"F x 26mm	10	
IP17034	1"F x 32mm	10	
IP17004	1¼"F x 32mm	10	
IP17001CP	½"F x 16mm Chrome	10	





IP18 EQUAL TEE

CODE	SIZE	PACK QTY	PRICE
IP18001	16mm	10	
IP18002	20mm	10	
IP18003	26mm	10	
IP18004	32mm	10	



IP18 REDUCING TEE

CODE	SIZE	PACK QTY	PRICE
IP18112	16 x 16 x 20mm	10	
IP18211	20 x 16 x 16mm	10	
IP18212	20 x 16 x 20mm	10	
IP18221	20 x 20 x 16mm	10	
IP18223	20 x 20 x 26mm	10	
IP18311	26 x 16 x 16mm	10	
IP18312	26 x 16 x 20mm	10	
IP18313	26 x 16 x 26mm	10	
IP18322	26 x 20 x 20mm	10	
IP18323	26 x 20 x 26mm	10	
IP18331	26 x 26 x 16mm	10	
IP18332	26 x 26 x 20mm	10	
IP18334	26 x 26 x 32mm	10	
IP18414	32 x 16 x 32mm	10	
IP18424	32 x 20 x 32mm	10	
IP18432	32 x 26 x 20mm	10	
IP18433	32 x 26 x 26mm	10	
IP18434	32 x 26 x 32mm	10	
IP18441	32 x 32 x 16mm	10	
IP18442	32 x 32 x 20mm	10	
IP18443	32 x 32 x 26mm	10	



IP19 WALLPLATE ELBOW

CODE	SIZE	PACK QTY	PRICE
IP19001	½"F x 16mm	10	
IP19012	½"F x 20mm	10	



IP30 TEE

CODE	SIZE	PACK QTY	PRICE
IP30001	16 x 16 x ½"F	10	
IP30002	20 x 20 x ¾"F	10	
IP30003	26 x 26 x 1"F	10	
IP30443	32 x 32 x 1"F	10	



IP51 STOP END

CODE	SIZE	PACK QTY	PRICE
IP51001	16mm	10	
IP51002	20mm	10	
IP51003	26mm	10	
IP51004	32mm	10	



IP20 NUT AND INSERT ADAPTOR TO COPPER COMPRESSION

CODE	SIZE	PACK QTY	PRICE
IP20001	½" x 16mm	10	
IP20002	15mm x 16mm	10	
IP20003	¾" x 20mm	10	
IP20004	1" x 26mm	10	
IP20005	22mm x 20mm	10	
IP20006	28mm x 26mm	10	
IP20001CP	½" x 16mm	10	
IP20002CP*	15mm x 16mm	10	



^{*}IP20002CP is suitable for use with all 15mm Sanbra Fyffe Standard TRV's and Rad Valves.

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IP20 PRESS ADAPTOR TO COPPER COMPRESSION

CODE	SIZE	PACK QTY	PRICE
IP20060	½" x 16mm	10	
IP20061	15mm x 16mm	10	
IP20062	3/4" X 20mm	10	



IP21 PRESS ADAPTOR TO COPPER PRESS

CODE	SIZE	PACK QTY	PRICE
IP21001	16mm x 15mm	10	
IP21002	20mm x 22mm	10	
IP21003	26mm x 28mm	10	
IP21004	16mm x ½"	10	
IP21005	20mm x ¾"	10	
IP21006	26mm x 1"	10	



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IP80 LEVER BALL VALVE

CODE	SIZE	PACK QTY	PRICE
IP80001	16mm	10	
IP80002	20mm	5	
IP80003	26mm	5	
IP80004	32mm	5	



Please specify red or blue handles when ordering (use 'R' or 'B' after code above)
Not WRAS Approved - WRAS Approved Lever Ball Valves Available - Please contact our Sales Office.

FLEXIBLE HOSES

CODE	SIZE	PRICE
IP700110	½" x 16mm IP x 300mm	
IP700109	½" x 16mm IP x 500mm	



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THERMOSTATIC RADIATOR VALVES

CODE	SIZE	PRICE
IP771095	16mm TRV ONLY	
IP771096	16mm TRV PACK	





IP BRASS MANIFOLDS

CODE	SIZE	PRICE
IP771871	¾" x 16mm 2 Port Manifold	
IP771874	¾" x 16mm 3 Port Manifold	
IP771877	¾" x 16mm 4 Port Manifold	
IP771872	1"x 16mm 2 Port Manifold	
IP771875	1"x 16mm 3 Port Manifold	
IP771878	1"x 16mm 4 Port Manifold	



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IP BRASS MANIFOLDS (WITH ISO VALVES)

CODE	SIZE	PRICE
IP771892	¾" x 16mm 2 Port Manifold with ISO Valve	
IP771894	¾" x 16mm 3 Port Manifold with ISO Valve	
IP771895	¾" x 16mm 4 Port Manifold with ISO Valve	
IP771893	1" x 16mm 2 Port Manifold with ISO Valve	



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MANIFOLD BRACKETS AVAILABLE - SEE PAGE 10

SHOWER BRACKET

CODE	SIZE	PRICE
IP93001	16mm	



Tools and Accessories

DRILL PIPE REAMERS

CODE	SIZE	PRICE
IP20050	Full Kit incl. 16, 20, 26 & 32 mm + Manual T-Handle	
IP20051	16mm Drill Reamer	
IP20052	20mm Drill Reamer	
IP20053	26mm Drill Reamer	
IP20054	32mm Drill Reamer	
IP20059	Manual T-Handle	





MANUAL PIPE REAMER

CODE	SIZE	BOX QTY	PRICE
IP20010	16mm – 26mm	40	
IP20011	20mm – 32mm	30	



PIPE CUTTER

CODE	SIZE	BOX QTY	PRICE
IP20016	Up to 32mm	-	



IP20 BENDING SPRING PACK (INTERNAL & EXTERNAL)

CODE	SIZE	PACK QTY	PRICE
IP20030	16mm	10	
IP20031	20mm	10	
IP20032	26mm	10	
IP20033	32mm	5	



PIPE DECOILER

CODE	SIZE	BOX QTY	PRICE
IP20017	Suits All Sizes	-	



PUSH FIT PRESSURE TEST FITTING

CODE	SIZE	BOX QTY	PRICE
IP20071	16mm Incl Tool	L	
IP20072	20mm Incl. Tool	L	
IP20075	16mm Removal Tool	L	
IP20076	20mm Removal Tool	L	



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PRESSURE TEST GAUGE

CODE	SIZE	PRICE
IP20077	Gauge For Pressure Test Fittings	





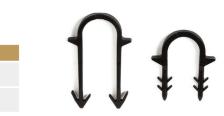
ADHESIVE TRACKING STRIP

CODE	SIZE	PACK QTY	PRICE
IP20019	16mm x 1M	-	



PIPE STAPLE

CODE	SIZE	PACK QTY	PRICE
IP20014	16mm x 40mm	30	
IP20012	16mm x 60mm	30	



MANIFOLD BRACKET

CODE	SIZE	PACK QTY	PRICE
771910	3/4"	20	
771911	1"	18	



Tools and Accessories

PRESS GUN 14.4V

CODE	SIZE	PRICE
IP20020 REMS 578X04	REMS Mini Press Gun 14.4V Battery Incl. 16, 20, 26mm TH Jaws & Case	
IP20021	REMS 14.4V Battery	
IP20022	16mm TH Jaws	
IP20023	20mm TH Jaws	
IP20024	26mm TH Jaws	
IP20025	32mm TH Jaws	
IP20226	16mm Angled TH Jaws	
IP20227	20mm Angled TH Jaws	
IP20228	26mm Angled TH Jaws	
IP20228	32mm Angled TH Jaws	











MANUAL PRESS TOOL

CODE	SIZE	PRICE
IP20026	REMS Manual Press Tool	
IP20027	16mm TH Jaws	
IP20028	20mm TH Jaws	
IP20029	26mm TH Jaws	



HAND PRESSURE TESTING PUMP

CODE	SIZE	PRICE
IP20043	60 bar Pressure Test Pump	



PRESS GUN 22V

CODE	SIZE	PRICE
IP20041 REMS 578X05	REMS Mini Press Gun 22V Battery Incl. 16, 20, 26mm TH Jaws & Case	
IP20040 REMS 578X08	Straight REMS Mini Press Gun 22V Battery Incl. 16, 20, 26mm TH Jaws & Case	
IP20042	REMS 22V Battery	

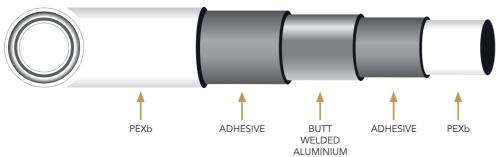


MANUAL DEBURRING TOOL

CODE	SIZE	PRICE
IP20015	Ø3-35mm	







Product Overview

INSTANTOR® Pex-Al-Pex (PE-xB/Al/PE-xB) is a multilayer pipe NSAl Certified to EN ISO 21003 and WRAS approved, combining all the advantages of metal and plastic pipe.

This pipe is constructed with a double inner and outer layer of Silane method crosslinked polyethylene PE-xB, then bound by quality adhesive to a longitudinally TIG butt welded

100% oxygen tight aluminium layer. It is this aluminium layer that allows the pipe to maintain its shape after bending. Total hygiene and high corrosion resistance is ensured as fluids come in contact with the inner PE-xB layer only.

MULTI APPLICATIONS: Potable water, underfloor heating and all general plumbing and heating applications.

FEATURES

- This is a more cost effective pipe system when compared with conventional piping systems
- All the combined advantages of metal and plastic pipes
- Lightweight, flexible and maintains its shape after bending
- Cost effective requires less fittings than traditional methods
- Available in
- Coils 16mm x 100m,
 16mm x 500mm, 20mm x 100m,
 26mm x 50m, 32mm x 50m
- Insulated Coils 16mm x 100m,
 20mm x 50m, 26mm x 25m,
 32mm x 25m, 26mm x 50m
- Lengths 16mm, 20mm, 26mm, 32mm x 4m
- Butt welded aluminium pipe is
 100% oxygen & water vapour tight
- Excellent heat preservation
- Highly corrosion resistant
- Low factor of linear expansion
- Low noise emission due to plastic properties of pipe
- Highly temperature and pressure resistant
- Guarantee 10 years on system,
 50 years on materials

INSTANTOR® PEXB/AL/PEXB PIPE LENGTHS

CODE	SIZE	BUNDLE QTY	PRICE PER LENGTH
IPAP111	16 x 4M	10	
IPAP112	20 x 4M	10	
IPAP113	26 x 4M	10	
IPAP114	32 x 4M	10	

INSTANTOR® PEXB/AL/PEXB PIPE COILS

CODE	SIZE	PALLET QTY	PRICE PER COIL
IPAP101	16 x 100M	10	
IPAP102	20 x 100M	10	
IPAP103	26 x 50M	10	
IPAP104	32 x 50M	10	
IPAP105	16 x 500M	5	
IPAP107	16 x 200M	5	

INSTANTOR® PEXB/AL/PEXB PIPE TECHNICAL SPECIFICATIONS

UNIT OF MEASUR	EMENT	IPAP101	IPAP102	IPAP103	IPAP104	IPAP105	IPAP107
Outer Diameter	mm	16	20	26	32	16	16
Inner Diameter	mm	12	16	20	26	12	12
Weight	kg/M	0.110	0.147	0.268	0.355	0.110	0.110
Thickness of Aluminium	mm	0.25	0.3	0.35	0.5	0.25	0.25
Total Thickness	mm	2	2	3	3	2	2
Roll Length	М	100	100	50	50	500	200
Volume of water	I/m	0.113	0.201	0.314	0.531	0.113	0.113
Internal roughness	μm	7					
Thermal conductivity at 20°C	W/mk	0.43					
Coefficient of expansion	mm/m°C	0.025					
Degree of crosslinking	℃	≥65°C					
Oxygen permeability	mg/l			0			
Colour				White	e		
Туре			F	PE-xB/Al/PE-xB m	nultilayer pipe		
Field of application			Plumbing in c	ivil, industrial and	d commercial	applications	
Fluid			Potable wa	ater, technical wa	ater, and wate	r glycol(*)	
Max peak temperature	℃			110			
Minimum operating temperature(*)	℃			0			
Maximum operating pressure at 95°C	bar			6			
Maximum operating pressure at 20°C	bar	10					
Duration at 95°C and 6 bar		Time duration to be determined by service conditions					
Storage			Avoid prolonged exposure to direct sunlight				
Minimum bend radius				5 times the o	diameter		

(*) In the case of water glycol, in order to define the minimum operating temperature, it is necessary to know the elements of the mixture and the various concentrations.

APPLICATION CLASS TABLE (ISO 21003-1)

Application Class	Design Temperature T _D °C	Time b at T _D Years	T _{max} °C	Time at T _{max} years	T _{mal} ℃	Time at T mal h	Typical field of application
1 ^a	60	49	80	1	95	100	Hot water supply (60°C)
2 ^a	70	49	80	1	95	100	Hot water supply (70°C)
4 b	20 + Cumulative 40 + Cumulative 60	2.5 20 25	70	2.5	100	100	Underfloor heating and low-temperature radiators
5 b	20 + Cumulative 60 + Cumulative 80	14 25 10	90	1	100	100	High-temperature radiators

^a A country may select either class 1 or class 2 in conformity with its nation regulations.

NOTE: For values of T_D , T_{max} and T_{mal} in excess of those in the table, this International Standard does not apply. In the case of water glycol, in order to define the minimum operating temperature, it is necessary to know the elements of the mixture and the various concentrations.

b Where more than one design temperature for time and associated temperature appears for any class, they should be aggregated. "Plus cumulative" in the table implies a temperature profile of the mentioned temperature over time (e.g. the deign temperature profile for 50 years for class 5 is 20°C for 14 years followed by 60°C for 25 years, 80°C for 10 years, 90°C for 1 year and 100°C for 100h).



Product Overview

INSTANTOR® PEX-AL-PEX (PE-xB/Al/PE-xB) **INSULATED** multilayer pipe is an insulated multilayer pipe for multi-applications.

Enclosed in a scratch resistant, closed cell polyethylene foam insulating sheath, this pipe is constructed with a double inner and outer layer of Silane method crosslinked polyethylene PE-xB, then bound by quality adhesive to a butt welded 100% oxygen tight aluminium layer. It is this aluminium layer that allows the pipe to maintain its shape after bending.

Total hygiene and high corrosion resistance is ensured as fluids come in contact with the inner PE-xB layer only.

MULTI APPLICATIONS: Potable water and all general plumbing and heating applications.



WHITE	RED	BLUE	SIZE	PALLET QTY
IPAP201	IPAP301	IPAP401	16 X 100M	10
IPAP202	IPAP302	IPAP402	20 X 50M	10
IPAP203	IPAP303	IPAP403	26 X 25M	10
IPAP204	IPAP304	IPAP404	32 x 25M	10
IPAP205	-	-	26 x 50M	-

PEX-AL-PEX - INCREASED INSULATION

CODE	PART L COMPLIANT	SIZE	INSULATION THICKNESS	LINEAR HEAT LOSS	MAX PERMISSIBLE HEAT LOSS	PRICE	
IPAP501	YES	16mm x 50M	9mm	7.008 W/m	7.89 W/m		
IPAP502	YES	20mm x 50M	13mm	7.436 W/m	9.12 W/m		
IPAP503	YES	26mm x 25M	12mm	9.491 W/m	10.07 W/m		
Calculated as per ISO 12241. Water temperature 60°, with still air temperature 15°							

INSTANTOR® PEXB/AL/PEXB INSULATED PIPE COILS TECHNICAL SPECIFICATIONS

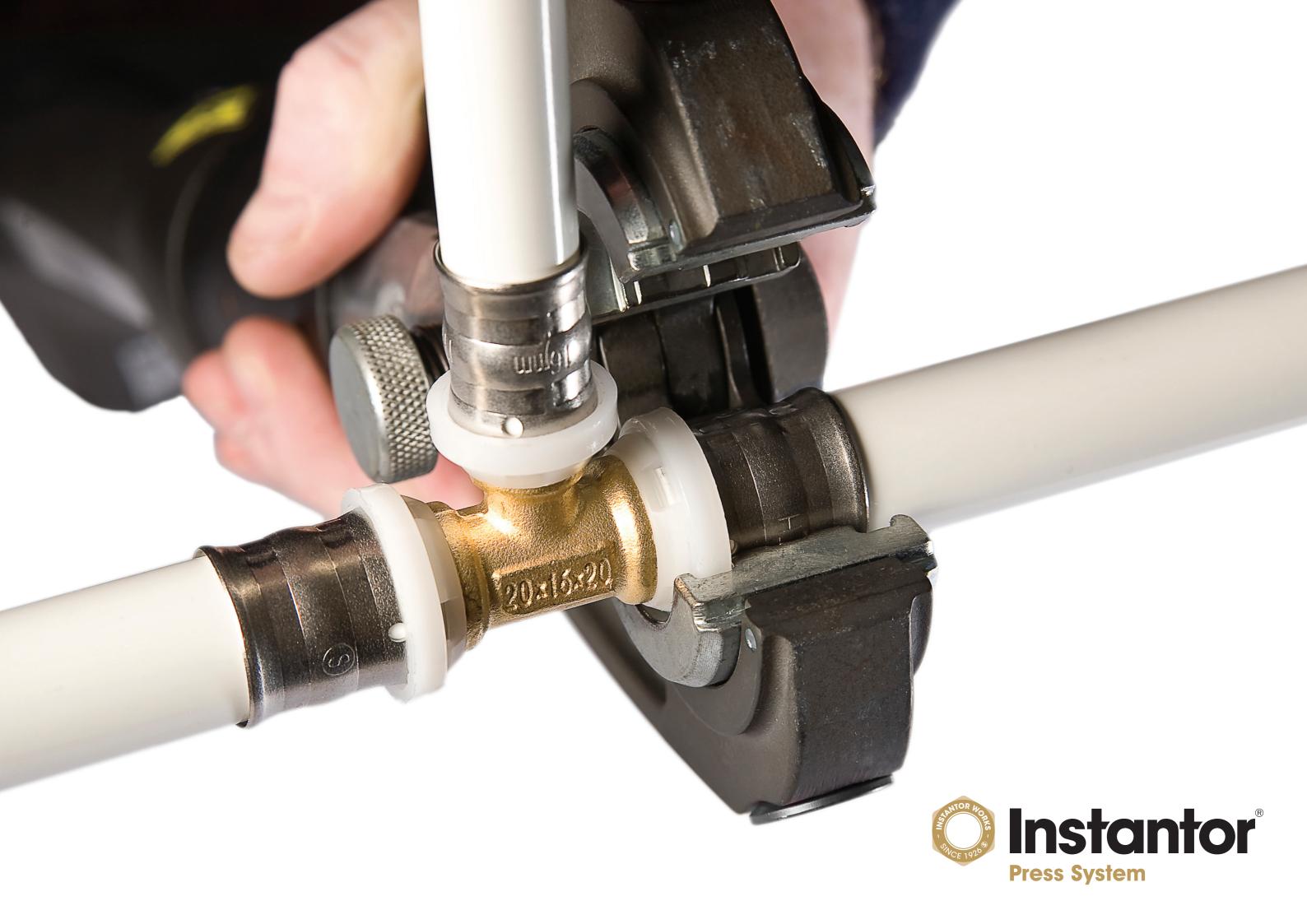
	UNIT OF MEASUREMENT	IPAP201 IPAP301 IPAP401	IPAP202 IPAP302 IPAP402	IPAP203 IPAP303 IPAP403	IPAP204 IPAP304 IPAP404	IPAP205	IPAP501	IPAP502	IPAP503
Outer diameter	mm	16	20	26	32	26	16	20	26
Sheath thickness for heating	mm	6	6	6	6	6	9	13	12
Diameter pipe + sheath (heating)	mm	28	32	38	44	38	34	46	50
Aluminium thickness	mm	0.25	0.3	0.35	0.5	0.35	0.25	0.30	0.35
Roll length	М	100	50	25	25	50	50	50	25
Volume of water	l/m	0.113	0.201	0.314	0.531	0.314	0.113	0.201	0.314
Internal roughness	μm				7				
Thermal conductivity at 20°C	W/mk				0.0)4			
Coefficient of expansion	kg/m³				35 to	45			
Degree of crosslinking	%				≥65	3%			
Oxygen permeability	mg/l	0							
Colour		White / Red / Blue							
Pipe material				PE-xl	B/Al/PE-xB	multilayer p	oipe		
Sheath material				closed-c	cell polyeth	ylene foam	PE-LD		
Scratch-resistant finish layer				closed-	cell polyeth	ylene foam	PE-LD		
Field of application			Plumb	oing in civil,	industrial a	nd commer	cial applica	ntions	
Fluid			Po	table water,	technical w	vater, and w	ater glycol	(*)	
Max peak temperature	°C				11	0			
Minimum operating temperature(*)	°C				0				
Maximum operating pressure at 95°C	bar				6				
Maximum operating pressure at 20°C	bar				10)			
Duration at 95°C and 6 bar			Tim	e duration to	be determ	ined by sen	vice conditio	ons	
Storage		Avoid prolonged exposure to direct sunlight							
Minimum bend radius(**)		5 times the diameter							
Insulation Thickness (round)	mm	6	6	6	6	6	9	13	12
Fire Classification			E	32 (DIN 410	2) / E (EN 1	3501-1:200	7 A1:2009)		

(*)Reference is made to a sheathed pipe and the use of a suitable water glycol mix.

(**)Take the thickness of the sheath into account when bending a pipe with a bender.

See page 13 for Application Class Table (ISO 21003-1)

e.g.: Ø16 sheath: total thickness=28mm,use bender with Ø26 profile.

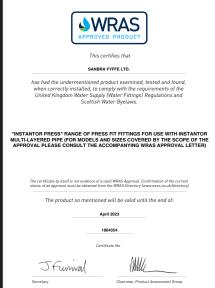


Superior Plumbing Products Manufactured **by Sanbra Fyffe**



Certification







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