



PALCONN TECHNOLOGY

A large, stylized version of the Palconn logo is centered on the page. It features the word "PALCONN" in a light gray, sans-serif font, set against a white, irregularly shaped background. This central element is surrounded by numerous concentric, wavy lines in shades of red and orange, creating a sense of depth and movement. The entire design is set against a solid red background with subtle, wavy lines.

Approvals



Company profile

PALCONN is a leading piping system in developing, producing and exporting all kinds of plastic pipes and fittings in China which can provide integrated system solutions to create comfortable life, work and recreational environment.

We're mainly export PEX pipe, PERT pipe, PPR pipe, PB pipe, EVOH PEX/PERT/PB oxygen barrier pipe, PEX-AL-PEX pipe, PE-AL-PE Gas pipe, drip irrigation pipe, PVC/PP soundproof drainage pipe. Our products are widely used in floor heating, water supply, gas, air-condition, solar, irrigation, drainage system etc.

PALCONN adopts imported high quality material. High quality raw materials preliminary determine the quality of the pipe but strict monitoring quality control system throughout whole procedure from raw material supply to final products manufactured.

With the growing market demand, Palconn all production lines have upgraded to the most advanced high-speed extrusion equipment, whole production lines adopt the imported new generation SIMENS PLC control system to ensure pipe quality and producing efficiency.

We take samples for inspection to check the accuracy of pipe dimension when producing. We print clear marks, date, standard, production code and other specification on pipe for tracking and resourcing.

We also adopts precise automated testing equipment to monitor the producing all the time, strictly guarantee the pipe outside diameter, wall thickness and OOR strictly in the tolerance of standard. The Ultrasonic probe will accurately test the unqualified pipe then cuts it automatically.

All monitoring results must meet ISO9001 standard and be recorded, factory interior implement zero-defect quality management.

There is no doubt we have a complete quality management system so you can trust our pipe quality.

PALCONN pipe has been approved by many third-party of international authoritative organization. Such as NSF, CSA, UPC, WRAS, SAI GLOBAL, TUV Rheinland, Bureau Veritas, INTERTEK, SGS, ANNB, UKAS, CE certificates.

If you need reliable, efficient and high cost performance pipe system, Palconn will be your best choice.





Polybutylene(PB) Pipe System

Pipe Description:

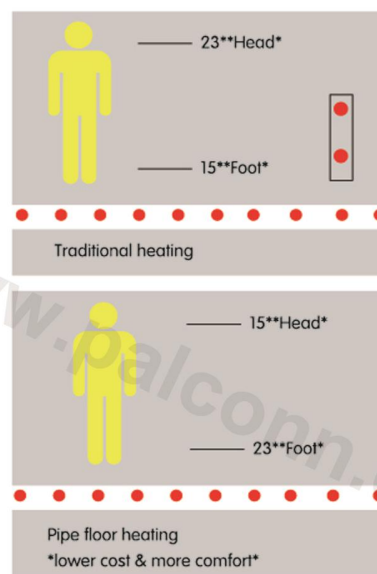
PALCONN-PB pipe is a 5 layer barrier (EVOH) pipe manufactured from polybutylene and is primarily used in hot water piping application's worldwide. PB pipe has many advantages over metal and other plastic piping systems; corrosion, scale and electrolysis resistance; freezing tolerance, high temperature pressure carrying capabilities and ease of installation due to its flexibility.

PALCONN-PB barrier pipe is in accordance with BS 7291-1:2010 and BS 7291-2:2010.

WRAS approved, Grey and white color.

PB pipe Specification:

Specification:	
Britished standard, BS7291, WRAS approved	
PB pipe and PB oxygen barrier pipe	
Normal size	PALCONN-code
MM	
10	PAL-PB010
15	PAL-PB015
22	PAL-PB022
28	PAL-PB028



Product physical properties and guidelines:

Temperature	Pressure	PSI
20°C	12 Bar	174
65°C	6 Bar	87
82°C	3.5 Bar	51

PB Technical Properties:

Properties	Unit	Test Method	PALCONN PB pipe
Melt Flow Rate	g/10min	ASTM D 1238	0.5
Density	G/cm	ASTM D 1505	0.92
Tensile Strength at Yield	Kg/cm ³	ASTM D 638	175
Tensile Strength at Break	Kg/cm ³	ASTM D 638	400
Elongation at Break	%	ASTM D 638	330
Tensile Modulus	Kg/cm ³	JIS K 7113	4000
Izod Impact Strength	Kg/cm/cm	ASTM D 256	No Break
Shore Hardness	D Scale	ASTM D 2240	60
Melting Point	°C	DSC	127
Vicat Softening Point	°C	JIS K 7206	119
Brittleness Temp	°C	JIS K 7216	-18 Lower than
Coefficient Of Expansion	Cm/cm/ C	ASTM D 696	1.3 x10 ⁴
Thermal Conductivity	Kcal/mhrCC	ASTM C 177	0.33

PB PUSHFIT FITTING



STRAIGHT CONNECTOR

Size(mm)		
15	22	28



Reducer

Size(mm)		
15 (22*15)	22(28*22)	28(35*28)



Elbow

Size(mm)		
15	22	28



BRT (Unequal Tee)

Size(mm)		
22x22x15	28x28x15	28x28x22



Tee

Size(mm)		
15	22	28



Tank connectors

Size(mm)		
15	22	28



ERT (Unequal Tee)

Size(mm)		
22x15x22		



BORT (Unequal Tee)

Size(mm)		
22X15X15		



Male straight adaptor

Size(mm)		
15x1/2	22x1/2	28x3/4



Level valve

Size(mm)		
15	22	28



Female straight adaptor

Size(mm)		
15x1/2	22x1/2	28x3/4



Cap Nut

Size(mm)		
15	22	28



Grab Ring

Size(mm)		
15	22	28



SPIGOT MANIFOLD

Size(mm)		
22x15mm(4 SPOTS)		



Wallplate Elbow

Size(mm)		
15	22	



Metal Insert

Size(mm)		
15	22	28



Female elbow adaptor

Size(mm)		
15x1/2	22x1/2	28x1



Stop ends

Size(mm)		
15	22	



O Ring

Size(mm)		
15	22	28



Bent tap connector

Size(mm)		
15mmx1/2		



Straight tap connector

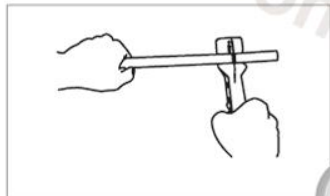
Size(mm)		
15mmx1/2	22mmx3/4	



Plastics Inserts

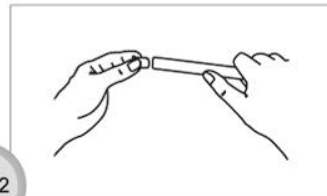
Size(mm)		
15	22	28

Installation Instructions



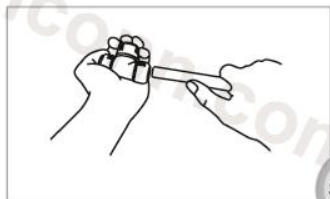
Step1

Cut :
Using purpose cutters and cut the pipe squarely ensure the pipe is free from burrs and scratches



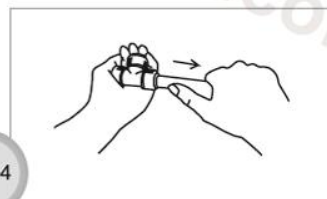
Step2

Pipe insert:
After removing any burrs insert a support sleeve (insert) fully into the end of the pipe.



Step3

Hole the fitting horizontally to the pipe and push the pipe firmly into the fitting. The connection is complete when the socket of the fitting has reached the next ^ mark on the pipe. Do not undo the retaining cap.



Step4

Check:
Test the connection by holding the fitting and pulling back on the pipe. The fitting is pre-lubricated and will be able to rotate freely around the pipe. This feature allows you to position fitting to best suit the pipe.



WEIFANG PALCONN PLASTICS TECHNOLOGY CO.,LTD

ADD:YINMA INDUSTRIAL ZONE,WEIFANG,SHANDONG,CHINA

ZIP CODE:261317

Tel/Fax:0086-536-8798363

Email: info@palconn.cn

WEB:<http://www.palconn.com>