Stainless Steel Piping with Pressfit Technology Brand "Platinox"

Technical Specifications

Standard of Pipes: EN10312 Series 2

Standard of Fittings: EN10312/DVGW W534

Press-fit Technology: V-Profile

O-Ring EPDM (black)

Material 316L

Surface Finish of Pipes Polished

Pipe Size and Specifications

Standard	EN 10312 Series 2		
			Weight/m
Nominal	OD	Thk	
½"	15	1.0	0.35
¾"	22	1.2	0.62
1"	28	1.2	0.80
1 ¼"	35	1.5	1.25
1 ½"	42	1.5	1.51
2"	54	1.5	1.95
2 ½"	76.1	1.5	3.7
3"	88.9	2.0	4.3
4"	108	2.0	5.3
	Thickness Tolerance:		+/- 0.10mm for size upto 54mm +/- 0.15mm for size> 54mm

Operating Parameters

- Operating pressure 16kgf/cm2.
- Test pressure 25 kgf/cm2 max. for 30mins.
- Operating temperature -20°C - 110°C

Grade Selections:

- SS 304 – for Cl- levels <250ppm
- SS 316L – for Cl- levels >250 and <1000 ppm

Press-Fit Technology Benefits

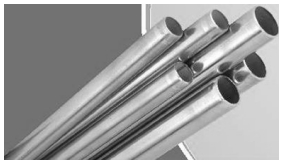
- Permanent reliable connections
- Pipe and Fittings range from 1/2" to 4"
- Hygienic, fast and easy to use

Standard Chemical Composition		C (max)	Si(max)	Mn (max)	P (max)	S (max)	Ni	Cr	Mo
SS 316L	%	0.03	0.75	2.0	.045	.03	10-12	16-18	2-3

Installation Instructions:Platinox Press-fit Pipes:

A. All Water supply pipes in the building whether RO water or Cold and Hot Water supply to be installed from Stainless Steel TiG welded pipes with jointing based on Press-fit Technology. No welding is to be used anywhere.

B. The pipes are to be made of SS 316L as per the EN 10312.These are TIG welded pipes which are duly hydro-tested upto 70 bar pressure.



C. The Fittings for SS pipes are with Double Crimping Technology as per EN 10312/ DVGW W534 standard, with a EPDM O-ring to seal the pipe content from leaking out.

D. The pipes are Crimped using the company suppliedCrimping tool.

Crimping Machine – Hydraulic

Crimping Machine- Electric/ Battery operated

Important points to consider:

1. During cutting of pipe, the Rotary cutter or Grinder need to be used. It should ensure that there are no burrs on the outside of the pipe which may damage the O-Ring while inserting the pipe for Jointing. No Hack Saw cut joint to be used without proper de-burring.

A typical Pipe Cutter for SS

2. To check the joint is pressed properly, a checking gage available with the pipe supplier has to be used to ensure that the hexagon is formed properly and no chances of leakage are there.

Checking Gage

3. To ensure that the pipe is inserted fully inside the fittings as less insertion of pipe will lead to joint not being made properly.

4. No external lubricants or any other material is to be used for jointing. The O-Rings are available in various materials. For water supply EPDM ring is to be used. For Petroleum products, NBR Oring has to be used.

E. Pipe Installation

The pipes can be laid in various methods.

1. It can be installed as concealed piping after making the appropriate chase in the wall using a Chase cutter so that uniform Chasing is achieved. In case of SS pipes, the depth of chase may be less as the pipe OD will be comparatively less that equivalent GI or Plastic pipes.

2. For overhead pipes, appropriate Hangers can be installed and the pipes are hung on C-Clamp or various other clamps. It is to be ensured that the clamps have rubber gasket to avoid contact of SS pipe with GI / MS material.