

Forza Global Stainless Steel Pressfit 316L Hot Water Specification Document

Hot Water services shall be Forza 316L stainless steel press system or approved equivalent in function and quality.

Stainless steel tube shall conform to AS5200.053 (Australian standards). Stainless steel fittings shall conform to AS3688 (Australian standards)

Tube and fittings to carry up to date Australian WaterMark and ActivFire certification. Watermark to be clearly visible on inspection.

Each fitting must possess pipe guide after the o-ring where the thickness of the fitting is 1.50mm or less. Where the thickness of the fitting is 2.0mm or more, pipe guides are not necessary.

Each fitting must carry leak detection technology within the o-ring. The purpose of leak detection is to identify unpressed fittings through controlled pressure testing.

O-rings are to be EPDM (black) when operating temperature is up to 120 degrees Celsius. For operating temperatures from 120 degrees Celsius to 200 degrees Celsius, FKM (red or brown) must be used.

It is the responsibility of the designer to ascertain whether insulation is required for the application. However, if it is deemed necessary then a chloride free wrap must be utilised.

Protocols for pressure testing are as follows:

Beginning at 100kPa, let system stabilize for 20 minutes. If system is stable, increase pressure in 200kPa increments checking for any drop in pressure within these increments. This process shall continue until 1500kPa is achieved. System must then hold at 1500 kPa with no drop in pressure for a minimum of 30 minutes as in accordance with AS3500. The testing process must be documented by the installer. Where a working pressure greater than 1500kPa is required, the specifier will contact Forza where project specific recommendations will be provided.

Press fittings must be installed as per manufacturer's instructions and only by a certified installer.

Forza recommends suitable Novopress tooling for high pressure applications (up to 4000kPa) and advises all installers receive on site tool training and subsequent accreditation from a Forza representative before commencing installation. **It is the responsibility of the installer to check the tool and associated pressing jaws are calibrated and serviced.**

