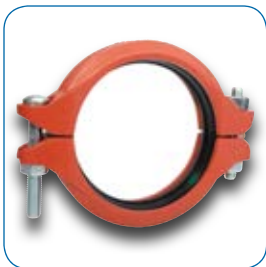




Performance Under Pressure

Thermal comfort and indoor air quality are critical components when ensuring healthy and safe living and working environments. GRINNELL helps provide the ideal environment with heating, ventilation and air conditioning (HVAC) solutions for a wide variety of applications. Heating and cooling applications that benefit from GRINNELL solutions include: boiler piping systems, water source heat pumps and passive or active solar systems; chilled cooling water, special coolant systems and condenser water and glycol systems, among others.

GRINNELL Grooved Mechanical Products



Quick Installation Saves Time and Cost

The unique design and technology of the GRINNELL Rapid Installation Pivot-bolt (GRIP) Figure 740 Coupling joins pipe 10 times faster than traditional

methods and two times faster than standard grooved couplings without losing the ability to properly inspect the gasket seal. No loose components, only one bolt to tighten.



Combine the Best Pipe-Joining Features

GRINNELL Figure 705 Flexible Couplings allow for angular and linear deflection, thermal expansion and contraction, and misalignments of pipe. Depending

on pipe size and wall thickness, it is capable of pressures up to 500 psi (34,5 bar). Suitable for use in a variety of applications, the Figure 705 Coupling provides a dependable method of joining pipe.



Versatile Use for Existing and New Piping

The GRINNELL Figure 730 Grooved and Threaded Mechanical Tees offer a way to bypass the use of a reducing tee and can be converted to a cross.

GRINNELL Figure 730 Grooved Mechanical Tees provide an additional grooved outlet in existing piping.



Ensure Reliability

The universal tongue-and-groove housing design of the GRINNELL Figure 772 Rigid Couplings ensures trouble free installation. Providing a rigid joint — similar to a flanged or welded joint — the

Figure 772 Coupling firmly grips along the circumference of the pipe grooves to help eliminate movement.



Economical and Efficient Method

GRINNELL Ductile Iron Cast and Fabricated Steel Grooved Fittings provide an economical and efficient method for changing direction, adding an outlet, and reducing or capping piping systems.



Provide Efficiency through Adaptability

Achieve accurate and efficient balancing of hydronic heating or cooling systems with GRINNELL Model CB800 Circuit Balancing Valve. One valve serves five functions, including throttling,

measuring (pressure and temperature), positive shut-off, draining and filling. Available models are the Groove-by-Groove, Solder-by-Solder, Flange-by-Flange and Thread-by-Thread.



Control Flow with Adaptable Valve

The GRINNELL Model B302 Butterfly Valve provides efficient control of on/off or throttling / balancing service, fluid flow and "bubble tight" shut-off in piping systems. Flow can be from

either direction, and the valve may be positioned in any orientation. The butterfly valve is furnished with grooved ends for use with grooved couplings and can be easily adapted to flanged components using GRINNELL Figure 71H Flange Adapters, Class 150. (Flouroelastomer and EN gaskets are also available).



Designed for Versatility

Primarily designed for installation in pump discharge piping, the GRINNELL Model TD830 Triple Duty Valve functions as a spring-loaded silent check valve, flow control valve and shut-off valve.

Installed quickly into grooved end piping systems with two GRINNELL couplings, the valve operates automatically and silently.



Rugged Construction, Superior Control

A compact, rugged swing-type unit, the GRINNELL Model 590 Check Valve provides water flow in one direction and prevents flow in the opposite direction.

Designed to minimize water hammer caused by flow reversal, the valve is furnished with grooved ends for installation with GRINNELL Grooved Couplings or Flanged Adapters.



GRINNELL Mechanical Services (GMS)

Employing a wide range of pipe joining technology solutions, GRINNELL Mechanical Services (GMS) a division of Tyco Fire Protection Products, partners

seamlessly with your designers, engineers and contractors to develop process improvements to ensure your project runs smoothly.

Approvals: Most of the GRINNELL Grooved Mechanical Products for HVAC Piping Solutions are UL, FM, ULC, VDS, LPCB, WRAS, NSF, and DVGW listed and approved.



For the most up-to-date product information including a full range of solutions, pressure ratings, agency listings and approvals, visit us at www.grinnell.com.