



PRODUCT CATALOG





FLOWSHOP

Thermoplastic Pipes & Fittings

HDPE, PVC, CPVC, PE, PPR, PVDF, EF, TF

HDPE



HDPE pipe is a type of flexible plastic pipe used for fluid and gas transfer and is often used to replace ageing concrete or steel mains pipelines. Made from the thermoplastic HDPE (high-density polyethylene), its high level of impermeability and strong molecular bond make it suitable for high pressure pipelines.

PE piping has been used for water and other fluids in Europe and America since the 1950s due to its durability, leak free joints, resistance to corrosion, and long-term cost-effectiveness.

Nominal diameters: 16 to 2000 mm (or ½" to 78") / SDR 41 (S20) to SDR 7,4 (S3,2)

Temperature: up to 140°F (PE100)

Pressure: up to 25 bar (PN25)

Applicable standards: ISO4427, ASTM F714, ASTM D3261, AWWA C901, AWWA C906, ASTM D3035, ASTM D3261, ASTM D3350, ISO 14236, ISO 12176.

PVC / CPVC



The value of PVC and CPVC is in their versatility, relative cost, ease of installation and corrosion resistance. Keeping those advantages in mind, common uses for each differ depending on the demands of the application.

The main difference between CPVC and PVC is the range of temperatures each is capable of withstanding. CPVC can handle temperatures up to 200° Fahrenheit, while PVC peaks at 140° Fahrenheit.

Nominal diameters: ¼" to 24" / Schedule 40 & 80

Temperature: up to 140 °F (PVC) – up to 200 °F (CPVC)

Pressure: up to 2.000 psi (CPVC SCH80)

Applicable standards: ASTM F439 / F441 / F441M - ASTM D2846 / D2846M - ASTM E84/UL723 – ASTM D1784

PVDF



Polyvinylidene fluoride or polyvinylidene difluoride (PVDF) is a highly non-reactive thermoplastic fluoropolymer produced by the polymerization of vinylidene difluoride. PVDF is a specialty plastic used in applications requiring the highest purity, as well as resistance to solvents, acids and hydrocarbons. Compared to other fluoropolymers, like polytetrafluoroethylene (Teflon), PVDF has a low density (1.78 g/cm³).

Nominal diameters: d20 - d315 mm (½" - 12")

Temperature: -40 °C to 150 °C

Pressure: d20 - d110 mm: PN16 (232 PSI) / d160 - d315 mm: PN10 (150 PSI)

Applicable standards: ASTM D4101 / ISO 10931.

PRFV / FRP / GRP



Applications: the Fiberglass Reinforced Plastic Pipes and Reinforced Plastic Mortar Pipe are mainly used in such fields as water conservancy, sewage, petroleum, chemical industry, electricity, metallurgy, pharmacy, etc.

FRPs have a low weight but are incredibly strong, and have good fatigue, impact and compression properties. This makes them of great interest to the motor industry who aim to replace metal with lighter weight materials to not only make the cars stronger but more fuel efficient.

Nominal diameters: DN25 - 4000mm / Pipe engths: 1m, 3m, 6m, 12m

Temperature: -20 to 200 °F

Pressure: 0.1Mpa, 0.6Mpa, 1.0Mpa, 1.6Mpa, 2.5Mpa

Applicable standards: ASTM D2996, AWWA C950, AWWA M45, ASME B31.1, ASME B31.3, BS6464



Metallic Systems

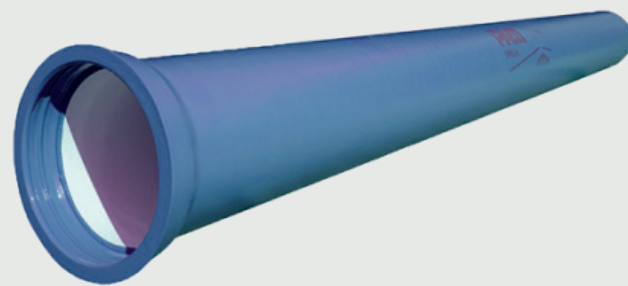
CARBON, GALVANIZED STEEL, ASME, ANSI STANDARDS.
CARBON STEEL, STAINLESS STEEL, EXOTIC MATERIAL

DUCTILE IRON - For conveyance of fluids and solid particles

Pipeline mostly used to convey water, sewage, and other liquid or solid materials from the source to the distribution or facility.

Standards: AWWA C200, ANSI/AWWA C153/A21.53 and ANSI/AWWA C111/A21.11, ISO 2531, EN 545 (potable water) and EN 598 (sewage)

Most common connections: Spigot and socket, Flanges, Restrained Joint, Mechanical Joint

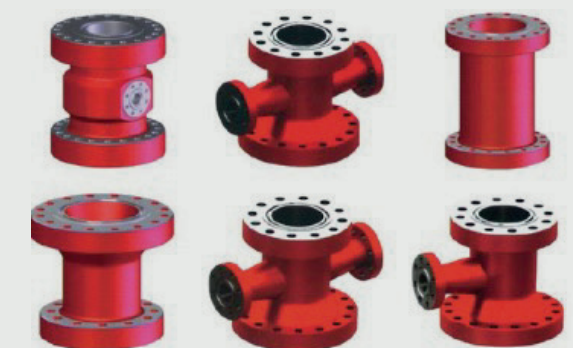


CARBON STEEL - For pressure & temperature services

It is utilized to carry gases, vapors, and high-temperature mixtures from one location to another.

Standard: ASTM, A53, ASTM A106, ASME B31.1, B31.3, ASTM A234, ASTM A860, ASME B16.5, API5L, API6A etc.

Most common connections: Butt Welding, Socket Welding, Threads, Flanges, Grooved



STAINLESS STEEL – For lower temperatures, corrosion and sanitary services

The benefits of a corrosion resistant metal when it comes to pipes should be abundantly clear. That 's why stainless steel is a common choice for piping applications.

Stainless steel pipe is primarily used in piping systems for the transport of fluids or gases.

In addition to being resistant to corrosion, stainless steel has other properties that make it an excellent choice for sanitary services such as Bio-Pharma or Food&Beverage.

Industrial Standards:

ASTM A312, ASTM A358, ASTM A249/269, A403, ASTM A813/A813M, ASTM A182, ASME B16.5, ASTM A554, ANSI B16.11, ISO 4144, ISO 2999

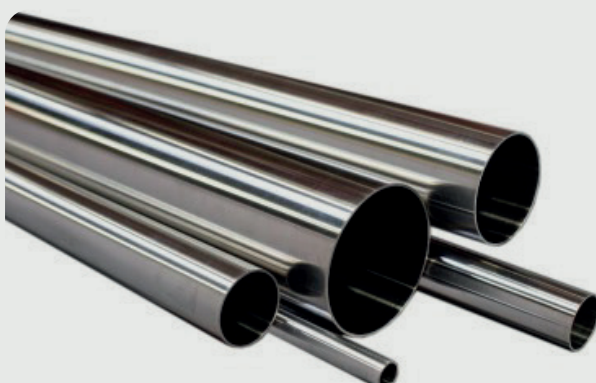
Most common connections: Butt Welding, Socket Welding, Threads, Flanges, Grooved



Sanitary Standards:

ASTM A270, 3A Standards, DIN 11850, DIN 11851, ISO 2853, SMS-1145, AS1528, ISO-2582, DIN 32676, ASME-BPE

Most common connections: Butt Welding, Socket Welding, Threads, Flanges, Grooved



CASING (OCTG)

Oil country tubular goods (OCTG) is a family of seamless rolled products consisting of drill pipe, casing and tubing subjected to loading conditions according to their specific application:

Drill pipe is heavy seamless tube that rotates the drill bit and circulate drilling fluids. Pipe segments 30 ft long are coupled with tool joints.

Drill pipe is simultaneously subjected to high torque by drilling fluid, axial tension by its dead weight, and internal pressure by purging of drilling fluid. Additionally, alternating bending loads due to non - vertical or deflected drilling may be superimposed on this basic loading patterns.

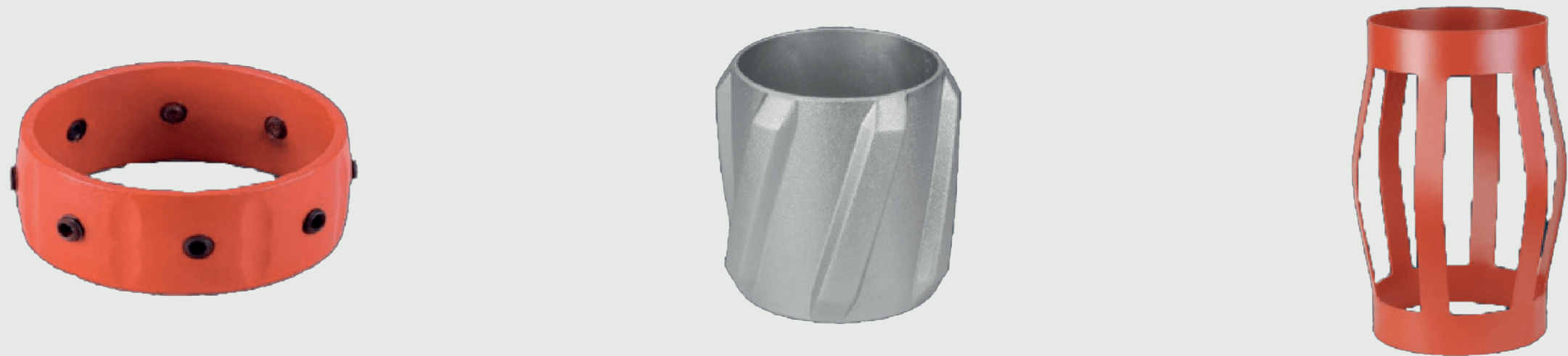
Casing pipe lines the borehole. It is subject to axial tension by its dead weight, internal pressure by fluid purging, and external pressure by surrounding rock formations. Casing is particularly exposed to axial tension and internal pressure by the pumped oil or gas emulsion.

Tubing is pipe through which the oil or gas is transported from the wellbore. Tubing segments are generally around 30 and 40 ft long with a threaded connection on each end.

STANDARDS GRADES: H-40, J-55, K-55, N-80, L-80, C-90, T-95, P-110, Q-125



CASING ACCESSORIES



PIPES LINES

Type of Pipe Regular Mill Production	Size Range, NPC	Size Range, Inches	Wall Thickness Range, Inches	Max. Length, Feet
Seamless	1.5 - 24	1.900 - 24.000 OD	0.140 - 2.312	48
Electric Resistance Weld	2 - 16	2.375 - 16.000 OD	0.154 - 0.625	48



Valves & Flow Control

BALL VALVE, PINCH, GLOBO, BUTTERFLY, KGV, KGA, CHECK, RELIEF,
CONTROL VALVES, CS, SS316L, PVDF, CPVC

FlowShop is working every day to give our clientele the best quality at the greatest value possible.

Our knowledgeable sales department will always help our customers meet specific product needs, as well as correct material requirements for specific applications.

We provide the industries absolute best customer service and are successful largely in part to our customer-centric team of sales personnel, our support from services engineers and qualified staff. As an industry leader, we continually strive to strategically align ourselves with major manufacturers of industrial valves with a focus on having each valve product line compliment the other. By continually broadening our product offerings, FlowShop can position itself as a valuable resource for your projects.

**VICTAULIC
BUTTERFLY
VALVES**



**VICTAULIC
BALL
VALVES**



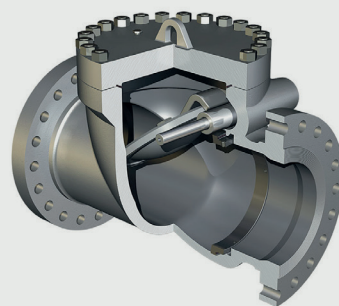
**VICTAULIC
KNIFE GATE
VALVES**



**NEEDLE
VALVES**



**CHECK
VALVES**



**GATE
VALVES**



**DIAPHRAGM
VALVES**



**GLOBE
VALVES**



CONTROL
VALVES



PLUG
VALVES



PINCH
VALVES



ACTUATORS



THERMOPLASTIC
VALVES



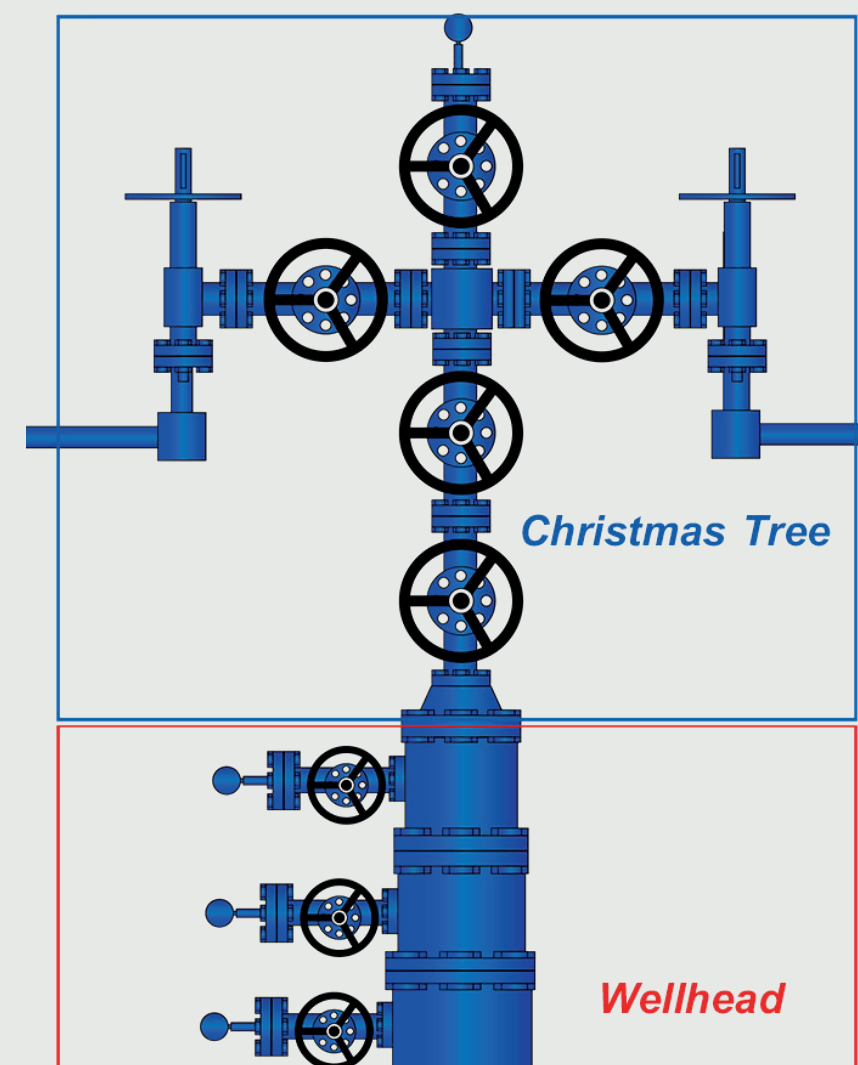
STAINERS



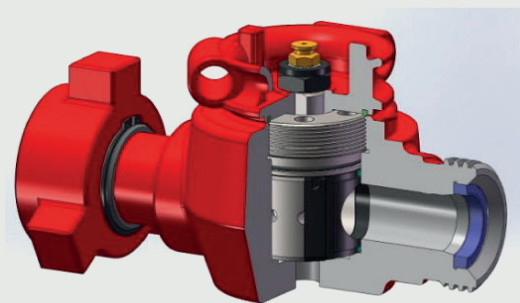
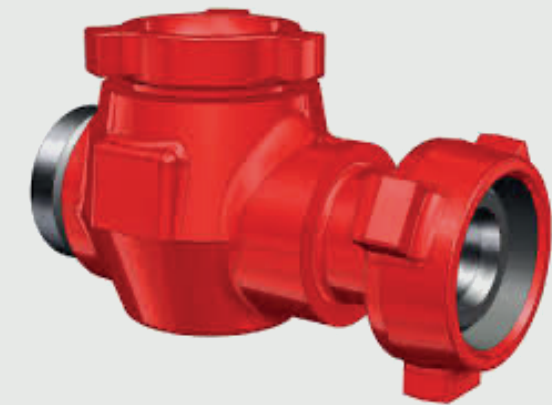
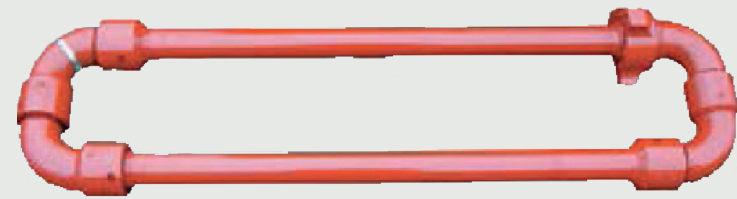
HIGH PRESSURE API VALVES & ACCESORIES

In high preassure (water injection for fracking, secondary recovery, water well injection, primary recovery for oil and gas well) we could 2 products groups:

Valves: This are used on the Xmas tree, located on the well head. Build it with floodgate, gate valves, check valves, choke valve, this last one to brake and lower the pressure so the flow can be sent it to instalations, or a valves manifold where you can find the set of valves an conectors.



The accesories, that may be seen in a Xmas tree, are also intermediate blocks. or in the specifics situacion of the fracking trucks are in the oulet port, where is easy to identify because you will be able to see a metal rigid hose call it Chicksan, this are steel sections where the conections between them are treaded and are joint with similar accesories, so it could have some kind of snake shape according each need.



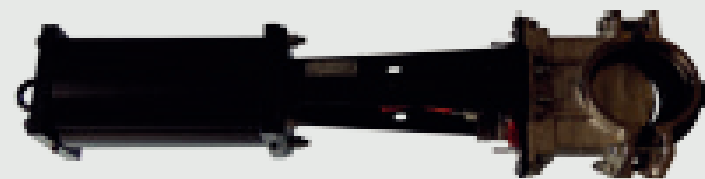


Victaulic and Grooved Solutions

COUPLINGS, FITTINGS AND RUBBER LINED FITTINGS

Victaulic over the years has developed an important track record in tailor-made solutions for virtually any industry, such as Maritime, Power generation, Waterworks, Commercial construction, etc... Due to our field of action and clientele we have decided to highlight 3 of them, in which we have obtained incredible results together

VICTAULIC® KNIFE GATE VALVES



HP7OES



FLEXIBLE SPRINKLER DROPS



SYSTEM SOLUTION FOR HDPE PIPE



ADVANCED GROOVE SYSTEM (AGS)



SERIES 727 BALL VALVE



FIRELOCK™ IGS™ INSTALLATION-READY™ STYLE V9 SPRINKLER



QUICKVIC™ SD INSTALLATION-READY™ SYSTEM





Advanced Automation and Control Solutions

FLOWMETERS, GAS DETECTIONS AND PLC

At FlowShop, we offer industrial automation and control solutions supported by Honeywell, a global leader in technological innovation. Our approach is geared toward the specific needs of the mining and oil & gas sectors, where efficiency, safety, and reliability are critical. We work alongside our customers to integrate advanced systems that optimize processes, maximize operational performance, and ensure compliance with the highest international standards.

Field Instruments

ST700



ST800



VERSAFLOW MAG 4000



Gas Detection - Portables

AREA RAE PLUS



BW SOLO



BW FLEX4



BW ICON PLUS



GAS ALERT MAX XTII



BW MICROCLIP X3



Gas Detection - Portables

MICRO RAE



MINI RAE 3000



MULTI RAE 3000



RAE GUARD 3





FLOWSHOP

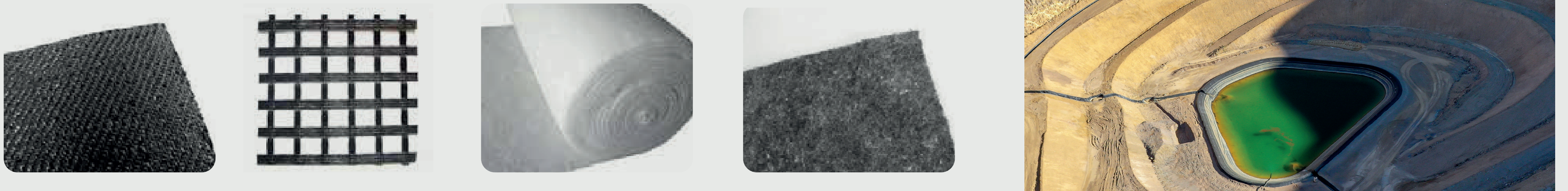
Geosynthetics

MINING INDUSTRY - CHEMICAL - SALT INDUSTRY - LANDSCAPE PROJECTS
SANITATION - WATER CONSERVANCY - CONSTRUCTION - AQUACULTURE - AGRICULTURE

GEOSYNTHETICS



A Geomembrane is very low permeability synthetic membrane liner or barrier used with any geotechnical engineering related material so as to control fluid (or gas) migration in a human-made project, structure, or system. Are made from relatively thin continuous polymeric sheets, but they can also be made from the impregnation of geotextiles with asphalt, elastomer or polymer sprays, or as multilayered bitumen geocomposites.



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