

Design Features of Shank Hand Valves

BOLTED BONNET SHUT-OFF VALVES: We offer our bolted bonnet shut-off valves in a globe or angle design from 1 ¼" to 2". This sturdy valve body is made from cast iron and valves are pressure tested for leakage after assembly. The shut-off disc is held in place on the stem by a spring ring, allowing free swivel action. Valve ports are full size, insuring maximum flow. These valves are back seating.

SHUT-OFF VALVES: Our shut-off valves are available in a globe design to work with pipe sizes from ¼" to 1 ¼" and in an angle design to work with pipe sizes from ¼" to 1". They come with zinc-plated carbon steel (-CS) or stainless steel (-SS) stems. The valve body materials are ductile iron or C.I. 40 and are pressure-tested for leakage after assembly. Valve ports are full size, insuring maximum flow. This is a two-piece design: the convex base fits into the shut-off disc and permits swivel action which maintains perfect alignment at all times. The shut-off disc is held in place on the stem by a spring ring, allowing free swivel action. The packing ring chamber is of special design: It is machined so that sealing is necessary only around the stem proper. The composition packing ring is impregnated with graphite for ease of operation and will not deteriorate in service. These valves are back seating.

HAND EXPANSION VALVES: Our hand expansion valves are available in a globe design from ¼" to 1 ¼" pipe size and in an angle design from ¼" to 1" pipe size. They come with zinc-plated carbon steel (-CS) or stainless steel (-SS) stems. The valve body materials are ductile iron or C.I. 40, and valves are pressure-tested for leakage after assembly. The valve body has a tapered orifice through a raised seat. Needle point and fine pitch stem threads allow close regulation of flow. All expansion valves are equipped with T-handles to distinguish them from shut-off valves. The packing ring chamber is of special design: It is machined so that sealing is necessary only around the stem proper. The composition packing ring is impregnated with graphite for ease of operation and will not deteriorate in service.

PURGE VALVES: Our purge valves are of all steel construction and all parts are zinc plated. They are used for purging purposes and are supplied with male and female thread combinations. Thread combinations range in size from 1/4" to 1/2" MNPT and 1/4" to 3/8" FNPT. Purge valves are equipped with round malleable handles. This valve can be used for gauge mounting, as an oil drain, or any place where a small shut-off valve can be used.

NEEDLE POINT VALVES: Our needle point valves are of all steel construction and all parts are zinc plated. They are available in angle or tee style from ¼" to ¾". The valves are equipped with a tapered orifice through the seat and a corresponding taper on the stem, thus assuring a measured flow through the valve. The stems are machined with a fine pitch thread which permits close regulation. The handles are Tee-shaped so that the valves can be easily recognized from regular shut-off valves.

LINE VALVES: Our line valves are made of all steel construction and all parts are zinc plated. They are available in angle or tee valves from ¼" to ¾" and have a compact design. The packing seal ring is of highest grade material, providing smooth, easy operation and a leak-proof, long life seal.

GAUGE SETS: Our gauge set assembly is of all steel construction and all parts are zinc plated. Gauge valves have safety ball seats which automatically shut off liquid in case of glass breakage. Valve stems are packed with composition packing rings, providing a leak-proof, long life seal.

