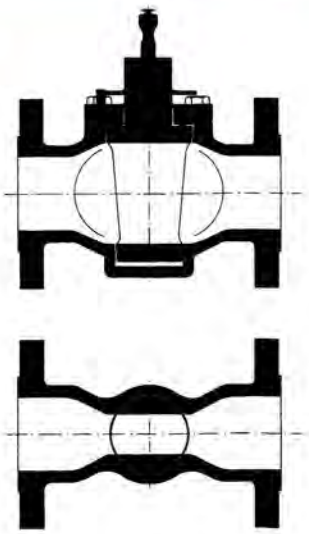
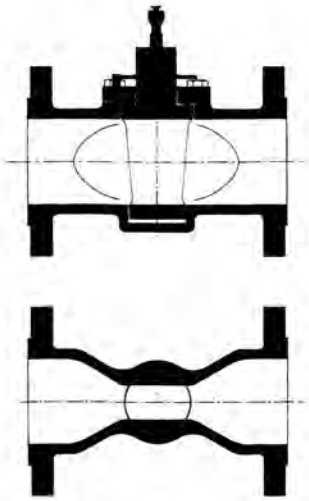
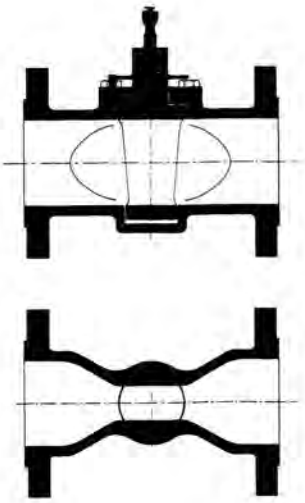
The word "pattern" in this catalogue refers to the shape of the valve port and the laying length of the valve. The valves are made in four patterns.



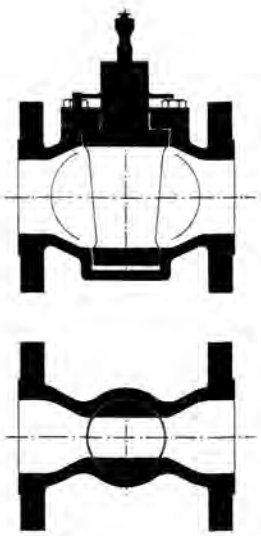
Regular Pattern Full Bore. These valves have face-to-face dimensions in accordance with the appropriate British and American standards where applicable.
This ensures the maximum interchangeability between valves of different types and end connections.
The plug ports of these valves are approximately rectangular in section and have an area substantially equal to the full bore of the pipe. The transition from the round body end ports to the rectangular seat ports is smooth, and entails no sudden alterations in shape or section which might cause excessive changes in velocity or direction of the fluid flowing in the pipeline. This feature makes these valves particularly suitable for installations where it is essential to keep pressure losses in the piping to a minimum, for example, on long suction lines to pumps or similar applications where head losses due to pipe bends and fittings are critical.



Regular Pattern
These valves have face-to-face dimensions in accordance with the appropriate British and American standards where applicable.
This ensures the maximum interchangeability between valves of different types and end connections. The plug ports of these valves have a rectangular – slightly tapered shape in section and have an area larger than Venturi Pattern. The transition from the round body end ports to the rectangular seat ports is smooth, and entails no sudden alterations in shape or section which might cause excessive changes in velocity or direction of the fluid flowing in the pipeline.



Venturi Pattern
These valves have face-to-face dimensions in accordance with the appropriate British and American standards where applicable, in order to ensure the maximum interchangeability between different valves.
The plug ports of these valves are of reduced area, but the change of section through the body throat is so designed as to produce a Venturi effect to restore a large percentage of the velocity head losses through the valve, thus resulting in a relatively low pressure drop. These valves are ideally suited for all normal pipeline applications, particularly in the larger sizes where there is a considerable saving in cost.



Short Pattern
These valves have face-to-face dimension in accordance with ANSI B 16.10 Short Pattern for Plug valves. Identical with Short Pattern Gate valves in class 125, 150 and 300.
Except 1" in class 150.

In order to obtain the relatively short face-to-face dimension, the plug port is reduced and has a rectangular slightly tapered-shape.