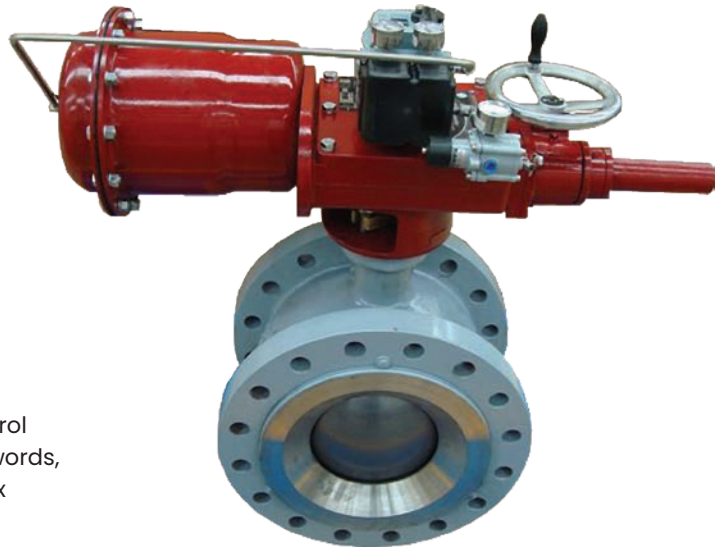


V-Max 36005 Series

High Capacity Control Ball Valve



Masoneilan™ 36005 Series V-Max™ High Capacity Control Ball Valve is first and foremost a control valve. In other words, unlike other high-capacity ball valve designs, the V-Max control ball valve doesn't sacrifice control accuracy to achieve higher capacities.

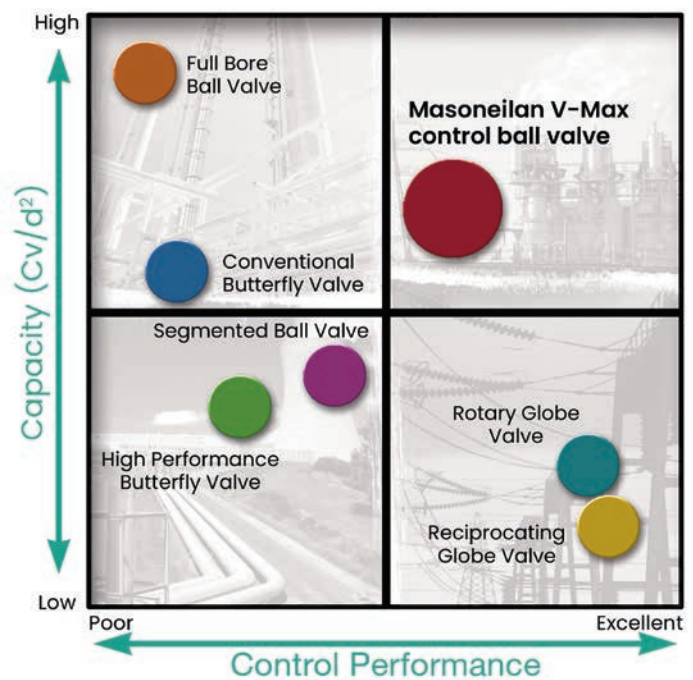
The V-Max control ball valve's patented dual-characterized segmented ball design combines high C_v ratings with exceptional 500:1 turndown. It is an excellent solution for both high-viscosity fluid applications, found in the pulp and paper industry, as well as for processes requiring very high capacity along with accurate control. Standard features also include our environmental packing seal (EF seal).

Highest Rated Capacities

Of all segmented ball valves, the V-Max control ball valve has the highest rated capacities. Class-leading 500:1 turndown extends the valve's application range, providing increased application flexibility without the complexity of typical reduced trim options.

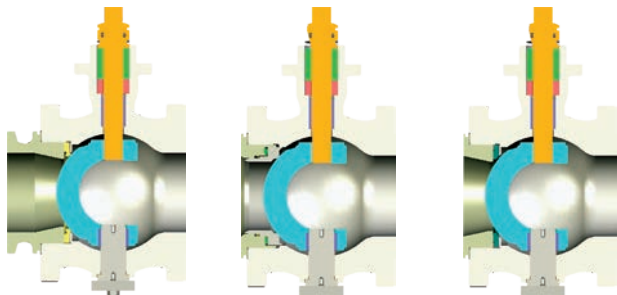
Valve Size		Capacity C_v
in.	DN	
1	25	55
1.5	40	125
2	50	170
3	80	440
4	100	740
6	150	1250
8	200	1860
10	250	3020
12	300	4400

The Best of Both Worlds



Advanced Diagnostics – Masoneilan SVI3 Digital Valve Positioner

An optional SVI™3, digital smart valve positioner provides industry-leading control accuracy and resolution. A non-contacting position sensor, directly coupled to the valve shaft, eliminates external linkage to simplify installation. Auto-tune and auto-calibration features minimize installation and startup time, while ensuring consistent positioning accuracy. Advanced diagnostics provide predictive maintenance functionality by warning of impending problems or failure.



MN-7 Soft Seat design shown with optional extended retainer to meet ANSI B16.10 Short Pattern Ball face-to-face

Heavy-Duty Seat option provides increased durability in harsh services

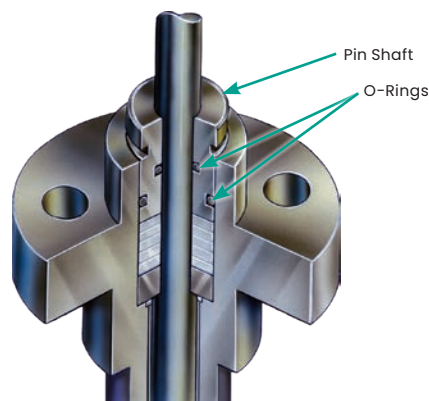
Optional Flexible Metal Seat shown with standard retainer meeting ISA S74.04 face-to-face

Tailored To Your Application Needs

Three seat types and two face-to-face options allow the V-Max control ball valve to be tailored to your application needs. Standard MN-7 soft-seat construction provides low operating torque and consistent Class VI shutoff. Optional flexible metal seats extend the temperature rating to 316°C (600°F) with Class IV shutoff. The optional heavy-duty seat provides increased durability in harsher service environments.

EF Seal

The Masoneilan EF seal from Baker Hughes provides long-term, reliable, extremely low-emission shaft-seal performance. This economical solution to fugitive emissions won't compromise control performance and is suitable for use in environmentally sensitive applications.



Standard V-Max Packing Arrangement
EF Seal (Emission Free) Double O-Ring Seal-Packing Follower
Fugitive Emission-Containment Package for Zero Leakage



Delivery made within 6 weeks with ValFAST Program

36005 Modules Product Scope

Product Line	36005 Series
Valve Size	1", 1.5", 2", 3", 4", 6", 8", 10", and 12"
Flange Type/ Pressure Class	Flanged, ANSI class 150 and 300
Body Material	Carbon steel, Stainless steel
Seat Material	MN-7, metal S316 and heavy-duty metal ⁽¹⁾
Actuator	33 Size AC → 1", 1.5" and 2" 33 Size B → 2", 3" and 4" 33 Size C → 3", 4", 6", 8", 10" and 12"
Handwheel	Available for all actuators

1. Available in 2nd Quarter 2025, and only on 1.5"-4" size valves.

