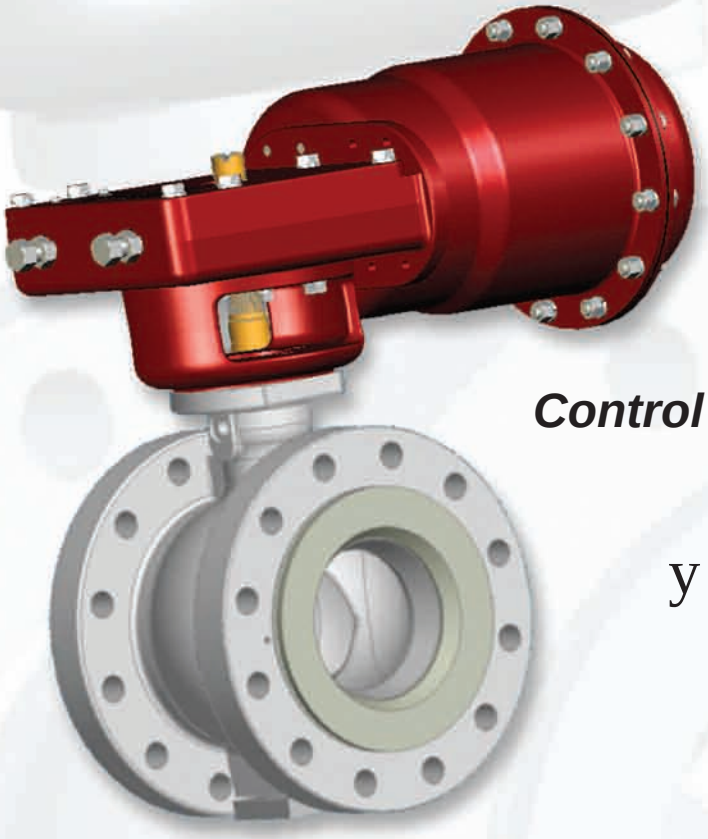
DRESSER Masoneilan

36005 V-Max®

High Capacity Control Ball Valve

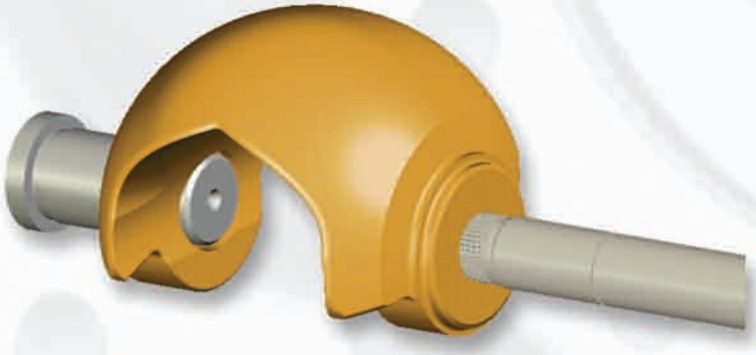


The new Masoneilan V-Max HCCBV is first and foremost a control valve. Unlike other high-capacity valve designs, V-Max doesn't sacrifice control accuracy to achieve higher capacities.

Control Accuracy and Higher Capacities

With V-Max
you get the best of
both worlds.

Patented Dual Characterized, V-port ball design combines exceptional capacity with a turn-down ratio of 500:1, an unprecedented combination. This unique capability provides the ultimate in application flexibility, allowing V-Max to perform in a broad range of services from traditional pulp slurries, to harsher applications in refining, chemical and other process industries.



Unlike some high capacity offerings, V-Max doesn't sacrifice control accuracy to obtain capacity. All aspects of V-Max have been designed with control performance in mind. From the splined ball shaft connection, to directly connected positioners, all parts are designed to provide backlash-free operation. Patented low torque seat designs provide superior throttling control performance.

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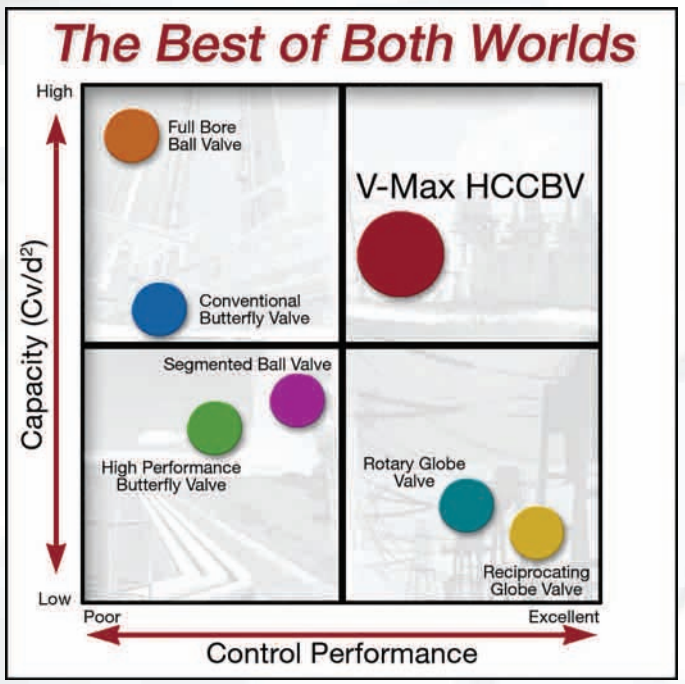
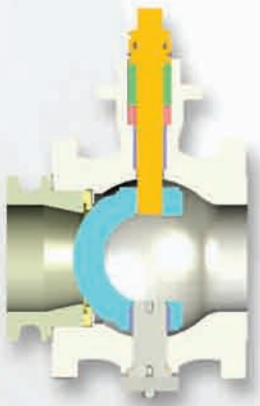
Optional SVI II® AP advanced performance digital smart valve positioner provides industry leading control accuracy and resolution. A non-contacting position sensor, directly coupled to the valve shaft, eliminates external linkage, simplifying installation. Auto-tune and Auto Calibrate features minimize installation and start-up time, while ensuring consistent positioning accuracy. Advanced diagnostics provide predictive maintenance functionality by warning of impending problems or failure.



Of all segmented ball valves, V-Max® has the highest rated capacities. Class leading 500:1 turn-down extends V-Max 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 - 1 1/2	40	125
2	50	170
3	80	440
4	100	740
6	150	1250
8	200	1860
10	250	3020
12	300	4400

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



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

Optional flexible metal seat shown with standard retainer meeting ISA S74.04 face-to-face.

Heavy Duty Seat option provides increased durability in harsh services.