



Superior Control Valve Series for Accurate Flow & Pressure Regulation

The DOROT S300L Series comprises a range of metal globe-style automatic control valves that are specially designed to handle a wide array of challenging requirements for water system management. Representing the pinnacle of automatic control valve technology, the DOROT S300L Series offers performance features and accuracy levels that surpass any similar control valves on the market.

DOROT S300L Series is specifically engineered to meet the most rigorous demands of water flow control operations:

- Superb performance at low flow conditions
- Friction-free internal trim configuration
- US lay-length, easily retrofits to existing systems

Technical Specifications

Size Range	DN50/2" - DN200/8"
Working Pressure	16 bar/250 psi 28 bar/400 psi
Max. Water Temperature	80°C / 180°F
End Connections	Flange: ANSI150/ANSI300/B16.42 Thread: NPT



Technically
Advanced,
Expertly Built

Features

Benefits

Regulates at a stable mode down to near zero-flow, regardless of valve size	Superior performance, eliminates the need for special low-flow plug design, such as a 'V-port' or Bypass Valve
Low-friction internal trim design, guided by the unique LTP (Linear Throttling Plug) device	High reliability and stability
All control ports are fitted with Stainless Steel sleeves	Prevents corrosion blockage and reduces periodic inspection/maintenance labor
Control trim is fitted with a self-flushing, inline control filter	Reduces the need for periodic inspection, cleaning and maintenance labor
UV protected coating	Reduces maintenance, increases life span
ANSI B16.42 length	Reduces retrofit costs
Low cavitation index	Wide operating pressure range with no risk of cavitation
No dynamic O-rings	Reduces maintenance

Superior Functionality

DOROT S300L provides an outstanding basic valve design that can be configured to offer a wide range of different options and customizable solutions, using a variety of easy to fit, complementary components.



One HCV,
So Many
Possibilities

Applications

Flow Control

Regulates water flow through pipeline to ensure optimal distribution and pressure management.

Level Control

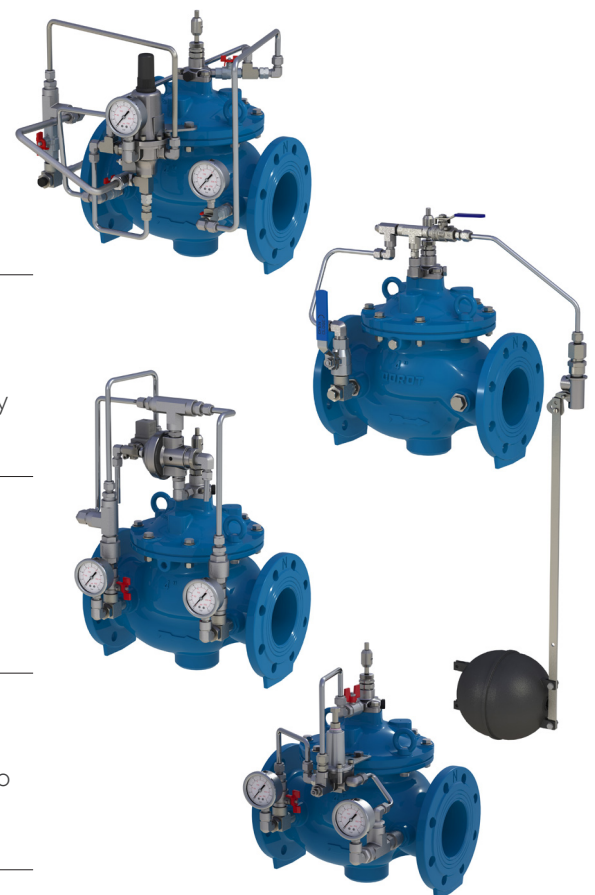
Modulates to maintain a steady, predetermined level in the tank/reservoir, maintaining a drip-tight closed position in the event that the tank level may rise above the float-pilot location.

Pump Control

Minimizes pump starting and stopping surges by slowly opening at pump startup and slowly closing prior to pump shutdown.

Pressure Control

Maintains consistent water pressure throughout the distribution network to meet operational requirements and prevent damage to infrastructure.



Stand-out Features

Near zero-flow regulation ●
for optimal water management

Durable and resilient ●
construction for
long-lasting performance

Controlled closure to prevent ●
water hammer and system damage



● Universal model adaptable
to a diverse range of
applications

● Easy drop-in replacement
minimizes downtime and
maintenance costs

● New lay-lengths available for
greater flexibility

Aquestia is a world leader in providing optimal solutions for surge protection, water loss reduction and pressure management, by integrating uniquely developed products with innovatively designed software.

Bringing together three strong brands - A.R.I., DOROT and OCV - we combine decades of experience, a wealth of knowledge and expertise, and a wide range of solutions and services.

We are where liquid flows, serving customers in segments that include waterworks and wastewater systems, irrigation, fire protection, mining, ballast water, desalination, commercial plumbing, aviation fueling, oil & gas, and more.

Aquestia - high-quality, reliable products and committed service - for your peace of mind.