

COMPACT PUMP PROTECTION HIGH BYPASS FLOW

NEW SCHROEDAHL® TDL AUTOMATIC RECIRCULATION VALVE

PROTECTS YOUR PRODUCTIVITY AND PROFITS FROM CATASTROPHIC INCIDENTS

If you want maximum protection and flexibility at different process flows, Schroedahl TDL Automatic Recirculation Valves are the all-in-one solution you need to keep your centrifugal pumping systems running smoothly. Flow-sensitive, self-acting and self-modulating, this valve range guards against damages from overheating and cavitation and combines a main line check valve and an automatic bypass flow control system.



NOW WITH
**HIGH
FLEXIBILITY**
AND HIGH BYPASS FLOW

WITH BETTER PERFORMANCE

A FLEXIBLE SOLUTION FOR LARGER CRITICAL SYSTEMS

Specially engineered for larger low-pressure centrifugal pumping systems from 10 to up to 18 nominal pipe size (NPS), the Schroedahl TDL Automatic Recirculation Valve range redefines quality, durability and reliability – and now comes with compact cast housing design for high bypass flow offers **maximum flexibility in bypass trim sizes**.

Its modulating function creates pump stability with fewer coupling and gear problems and less vibration in critical applications:

Crude Oil



Crude oil pumps

Firefighting



Fire protection
pumps

Petrochemical



Ammonia and
fluid gas pumps

KEEPS LIFETIME FLUID HANDLING COSTS IN CHECK

From installation to ongoing operation and extended service life, the Schroedahl TDL Automatic Recirculation Valve delivers cost and piping support savings from day one – for years.

Q vs. H

Head in %

Flow in %

QM SP Q100

Rated Point P100 (Q100; H100)

- Available in **carbon steel, stainless steel and super duplex** to fit your needs
- Modulation bypass function** with a robust control bushing design allows partial load operation with reduced energy consumption
- Compact cast housing design for high bypass flow offers **maximum flexibility in bypass trim sizes**
- Low valve hysteresis promotes increased and reliable pump performance
- Bypass check valve** prevents reverse pump flow and allows for parallel pump installations

TAKES THE HEAT FROM THE MOMENT OF INSTALLATION

Unlike other control valves for recirculation, Schroedahl TDL Automatic Recirculation Valves need no separate power supply or control system. System protection begins upon completion of installation.

TESTED AND TRUSTED

Trouble-free operation is our goal for every customer. At our state-of-the-art manufacturing center near Cologne, every valve undergoes a series of rigorous tests and stringent quality checks before it leaves us.

PROTECTING YOUR PUMPS JUST GOT EASIER

See the new Schroedahl TDL Automatic Recirculation Valves and how they work on CIRCOR Industrial's YouTube Channel or at: www.circor.com/products/valves/pump-protection

