TDC SERIES

AUTOMATIC RECIRCULATION VALVE FOR PUMP PROTECTION DESCALING APPLICATIONS

FEATURES:

- > Robust construction designed to withstand descaling operations
- > Automatically modulating bypass function
- > Quick acting main valve
- > Forged housing material in either carbon steel or stainless steel
- > Flow controlled operation no external energy source required

BUILT TO LAST. BUILT TO PROTECT.

The wear resistant TDC Series ARVs withstand the abrasive and high-pressure conditions of descaling applications while delivering superior protection to your centrifugal pumps.





Easy to install



Optimized for frequent switching



Low Maintenance



Low noise level

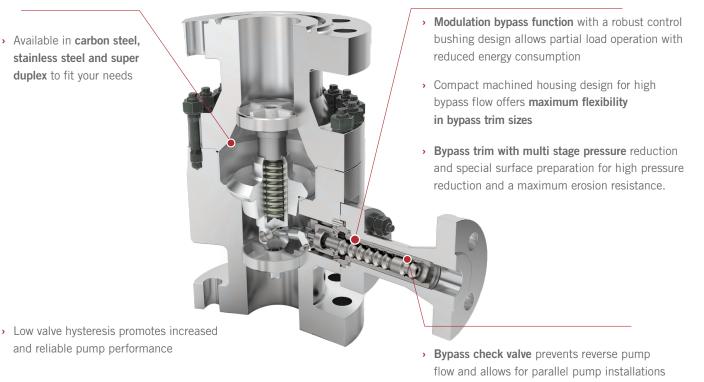
DESIGNED TO EXTEND LIFE AND REDUCE DOWNTIMF.

The TDC Series valves feature a built-in bypass check valve, which reduces installation time. In addition, the special bypass plug is multi-layered hard facing with coated treads to ensure longer life.

WITHSTANDS SWITCHING CYCLES

Frequently switching cycles can shorten a valve's lifetime. But with their durable components, the TDC Series valves are designed to withstand cycle by cycle.

> Available in carbon steel, stainless steel and super duplex to fit your needs



TECHNICAL DATA

NOMINAL DIAMETER	DN 80 - 250 / NPS 3 - 10
PRESSURE CLASS	PN 100 - 400 / Class 600 - 2500
TEMPERATURE (MAX.)	Up to 230 °C / 446 °F (other temperatures on request)
HOUSING MATERIAL	1.0460 / A105, 1.0571 / LF2, 1.4404 / F316L, 1.4462 / F51, 1.4501 / F55
HOUSING TYPE	Forged
MEDIA	Descaling water (other liquids possible)
FLANGES	EN 1092-1, ASME B16.5, ISO 7005, JIS, JPI, welding ends on request
DESIGNS	Vertical installation, horizontal installation, manual start-up, enlarged nominal width of the bypass
NUMBER OF STAGES (MAX.)	8
NUMBER OF CONTROLLED STAGES (MAX.)	8
OTHER	Bypass differential pressure 20–250 bar

FIND OUT MORE

Learn more about the TDC Series Automatic Recirculation Valves and what they can do for your operation at circor.com

