

Technomatics

In the business of Fluid Flow Engineering, Since 1992



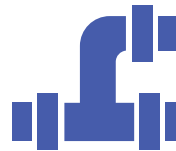
Expect... **AVR**



We TECHNOMATICS are in the business of fluid flow engineering. We have developed a complete range of expertise in our products and solutions relating to Water Management Systems. A high level of requirement and a large expertise have built the company's identity for over years now, to all our customers.

Since 1992, TECHNOMATICS have successfully executed orders for our Products and Systems for more than 1500 valuable customers. We cater to all major sectors including Water Supply, Waste Water, Irrigation, Buildings and various Industries.

TECHNOMATICS expertise... ENGINEERING SOLUTIONS



- Application Engineering
- Water Hammer / Transient Analysis
- Air Management for Cross Country Pipeline
- Water Network Analysis & Management Controls
- Surge Protection System
- Water Management System

Since 1992, Team TECHNOMATICS have executed & installed

- 1600nos. Valves & Controls
- 300nos. Surge Protection Systems
- 100nos. Water Management Systems
- 1025nos. Air Management Valves



Engineering and TPI Approvals



We TECHNOMATICS offer you – AVK Products

The AVK Group is a INR 5000 crore privately owned industrial group currently comprising 100+ group companies worldwide. AVK develop and produce Valves, Hydrants and accessories for Water and Gas distribution, Sewage treatment and Fire protection.

Furthermore, AVK has built up strong brands supplying products and solutions for various industrial sectors and within advanced manufacturing. AVK products are designed to meet international standards and are sold worldwide.

AVK Group Companies



R&D in AVK's Water division

- Product development and optimization
- Test & production equipment, rubber moulds and prototypes
- Third-party approvals, master data and technical back-up
- Prototype tests, life cycle tests etc.
- FEA (Finite Element Analysis) and CFD (Computational Fluid Dynamics) analysis
- Flow lab for testing and show lab for training



AVK Product Approvals



RESELIANT SEATED GATE VALVES



SERIES : 02-20

- Sizes: DN 250mm to 400mm
- Face to Face: BS / IS
- Rating : PN 10/16
- MOC: Body & Bonnet in Ductile Iron, Wedge: DI Core Vulcanised with EPDM Rubber
- Operation: Manual –Hand Wheel / Extended Spindle
- Application: ON / OFF



SERIES : 02-400

- Sizes: DN 40mm to 200mm
- Face to Face: BS / IS
- Rating : PN 10/16
- MOC: Body & Bonnet in Ductile Iron, Wedge: DI Core Vulcanised with EPDM Rubber
- Operation: Manual – Hand Wheel / Extended Spindle
- Application: ON / OFF



SERIES : 21

- Sizes: DN 50mm to 400mm
- Face to Face: BS / IS
- Rating : PN 25
- MOC: Body & Bonnet in Ductile Iron, Wedge: DI Core Vulcanised with EPDM Rubber
- Operation: Manual –Hand Wheel / Extended Spindle, Electrical Actuation, Pneumatic Actuation
- Application: ON / OFF



SERIES : 55-66

- Sizes: DN 450mm to 600mm
- Face to Face: BS / IS
- Rating : PN 10/16
- MOC: Body & Bonnet in Ductile Iron, Wedge: DI Core Vulcanised with EPDM Rubber
- Operation: Manual –Gear Box / Extended Spindle, Electrical Actuation, Pneumatic Actuation
- Application: ON / OFF

METAL SEATED GATE VALVES



SERIES : 37

- Sizes: DN 50mm to 300mm
- Face to Face: BS / IS
- Rating : PN 10/16/25
- MOC: Body, Bonnet and Wedge in Ductile Iron
- Operation: Manual –Gear Box / Extended Spindle, Electrical Actuation, Pneumatic Actuation
- Application: ON / OFF



SERIES : 54

- Sizes: DN 350mm to 1600mm
- Face to Face: BS / IS
- Rating : PN 10/16/25
- MOC: Body, Bonnet and Wedge in Ductile Iron
- Operation: Manual –Gear Box / Extended Spindle, Electrical Actuation, Pneumatic Actuation
- Application: ON / OFF

KNIFE GATE VALVES



S : EX

- Sizes: DN 50mm to 1000mm
- Standard: AWWA C-520
- Rating: PN 10/16/25
- Connection: Wafer, Lug, Flanged to B16.5 / EN 1092-2
- Body in Ductile Iron, Gate: St. Steel, Yoke: Epoxy Coated Carbon Steel
- Operation: Manual Operation, Electrical Actuation, Pneumatic Actuation
- Application: ON/OFF



ES : EW

- Sizes: DN 50mm to 1000mm
- Standard: AWWA C-520
- Rating: PN 10/16/25
- Connection: Wafer, Lug, Flanged to B16.5 / EN 1092-2
- Body in St. Steel, Gate: St. Steel, Yoke: Epoxy Coated Carbon Steel
- Operation: Manual Operation, Electrical Actuation, Pneumatic Actuation
- Application: ON/OFF

CHECK VALVES



SERIES : 41, DESIGN: D/F RESILIENT SEATED SWING CHECK VALVE

- Sizes: DN 50mm to 300mm
- Face to Face: EN 558 Table 2 , Basic Series 10
- Rating : PN 10/16
- End Connection: Double Flanged
- MOC: Body & Bonnet in Ductile Iron, Disc: St. Steel with Vulcanised EPDM Rubber
- Options: Lever & Weight, Spring Loaded, External Damper



SERIES : 41-36, DESIGN: D/F METAL SEATED SWING CHECK VALVE

- Sizes: DN 350mm to 600mm
- Face to Face: EN 558 Table 2 , Basic Series 10
- Rating : PN 10/16
- End Connection: Double Flanged
- MOC: Body & Bonnet in Ductile Iron, Disc: Ductile Iron
- Options: Lever & Weight, Spring Loaded, External Damper



SERIES : 641, DESIGN: D/F MULTI DOOR / RECOIL CHECK VALVE

- Sizes: DN 300mm to 1600mm
- Face to Face: as per Manufacturer Standard
- Rating : PN 10/16/25
- End Connection: Double Flanged
- MOC: Body, Bonnet, Disc: Ductile Iron
- Options: Bye-pass Arrangement



SERIES : 642, DESIGN: SPRING LOADED DUAL PLATE CHECK VALVE

- Sizes: DN 50mm to 1600mm
- Face to Face: EN 558 Series-16
- Rating : PN 10/16/25
- End Connection: Wafer Type
- MOC: Body in Ductile Iron, Disc in Aluminium Bronze, Spring: St. Steel



SERIES : DOPEX, DESIGN: D/F TILTING CHECK VALVE

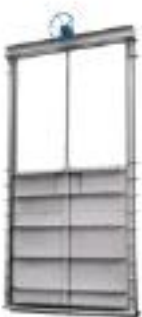
- Sizes: DN 50mm to 2800mm
- Face to Face: EN 558 Series 14
- Rating : PN 10/16/25
- End Connection: Double Flanged
- MOC: Body & Disc in Ductile Iron, Shaft : St. Steel
- Options: Lever & Counter Weight, Internal & External Damper



SERIES : 53, DESIGN: D/F BALL CHECK VALVE

- Sizes: DN 50mm to 600mm
- Face to Face: As per DIN 3202
- Rating : PN 10
- End Connection: Double Flanged
- MOC: Body & Cover in Ductile Iron, Ball: Aluminium / Cast Iron with NBR Liner

SLUICE GATES



SERIES : MU, DESIGN: FOUR SIDED SEALING SLIDE GATES

- Sizes: DN 150x150mm to 1200x1200mm
- Design Standard: AWWA C-561
- Rating : PN 10
- Direction: Bi-Directional
- MOC: Frame, Slide, Stem, Guide, Yoke: St. Steel, Seal: EPDM, Stem Nut: Bronze
- Operation: Manual Operation, Electrical Actuation, Pneumatic Actuation
- Application: ON/OFF



SERIES : CC DESIGN: CHANNEL GATES

- Sizes: DN 150x150mm to 3500x3500mm
- Design Standard: AWWA C-561
- Rating : PN 10
- Direction: Bi-Directional
- MOC: Frame, Slide, Stem, Guide, Yoke: St. Steel, Seal: EPDM, Stem Nut: Bronze
- Operation: Manual Operation, Electrical Actuation, Pneumatic Actuation
- Application: ON/OFF

BUTTERFLY VALVES



SERIES : 75 **DESIGN: CONCENTRIC**

- Sizes: DN 50mm to 600mm
- Face to Face: Short Body
- Rating : PN 10/16/25
- End Connection: Wafer / Lug / Flanged
- MOC: Body in Ductile Iron, Disc: Ductile Iron / St.Steel, Duplex Steel, Shaft: SS 420, Seal : EPDM, Seat: Replaceable Rubber Lined
- Operation: Manual-Lever Operation (upto 150mm)/ Worm Gear Box (above 150mm), Electrical Actuation, Pneumatic Actuation
- Application: Control Duty & ON/OFF



SERIES : 76-70 **DESIGN: CONCENTRIC**

- Sizes: DN 50mm to 300mm
- Face to Face: Short Body
- Rating : PN 10/16/25
- End Connection: Wafer / Lug Type
- MOC: Body in Ductile Iron, Disc: Ductile Iron / St.Steel, Duplex Steel, Shaft: SS 420, Seal : EPDM, Seat: Replaceable Rubber Lined
- Operation: Lever Operation (upto 150mm) / Worm Gear Box (above 150mm)
- Application: Control Duty & ON/OFF



SERIES : 756/1 **DESIGN: DOUBLE ECCENTRIC**

- Sizes: DN 150mm to 2400mm
- Face to Face: Long Body
- Rating : PN 10/16/25
- End Connection: Double Flanged
- MOC: Body & Disc in Ductile Iron, Shaft: SS 420, Seal : EPDM, Seat: Integral Microfinish / St.Steel
- Operation: Manual -Worm Gear Box, Electrical Actuation, Pneumatic Actuation
- Application: ON / OFF



SERIES : 756/2 **DESIGN: DOUBLE ECCENTRIC**

- Sizes: DN 150mm to 2400mm
- Face to Face: Short Body
- Rating : PN 10/16/25
- End Connection: Double Flanged
- MOC: Body & Disc in Ductile Iron, Shaft: SS 420, Seal : EPDM, Seat: Integral Microfinish / St.Steel
- Operation: Manual -Worm Gear Box, Electrical Actuation, Pneumatic Actuation
- Application: ON/OFF

AIR VALVES



SERIES : PP-PA **DESIGN: SINGLE AIR VALVE**

- Sizes: DN 25 to 50mm
- Rating : PN16/25
- End Connection: Threaded to BSP
- MOC: Body in Polypropylene / Brass, Float: Polypropylene



SERIES : 851/40 **DESIGN: SINGLE AIR VALVE**

- Sizes: DN 25mm
- Rating : PN16
- End Connection: Threaded to BSP
- MOC: Body & Cowl in Ductile Iron, Float: ABS / St.Steel



SERIES : ARX, **DESIGN: SINGLE CHAMBER** **- TRIPLE FUNCTION**

- Sizes: DN 40mm to 200mm
- Rating : PN16/25/40
- End Connection: Flanged to EN 1092-2
- MOC: Body & Cowl in Ductile Iron, Float: ABS / St.Steel, Guide & Guide Ring : St. Steel



SERIES : 851, **DESIGN: TRIPLE FUNCTION** **- DOUBLE ORIFICE**

- Sizes: DN 40mm to 200mm
- Rating : PN16/25
- End Connection: Flanged to EN 1092-2
- MOC: Body & Cowl in Ductile Iron, Float: ABS / St.Steel, Guide & Guide Ring : St.Steel

HYDRAULIC CONTROL VALVES



SERIES : M **DESIGN: GLOBE**

- Sizes: DN 50mm to 1000mm
- Face to Face: EN 558, Series-1
- Rating : PN 10/16/25
- End Connection: Flanged
- MOC: Body in Ductile Iron, Shaft, Obturator, Seat Body : St. Steel, Diaphragm: Rubber
- Application: Control Duty



SERIES : MD **DESIGN: DIAPHRAGM**

- Sizes: DN 50mm to 300mm
- Face to Face: Manufacturer Standard
- Rating : PN 10/16
- End Connection: Flanged
- MOC: Body in Ductile Iron, Diaphragm: Rubber, Spring: St. Steel
- Application: Control Duty



SERIES : P **DESIGN: PISTON**

- Sizes: DN 50mm to 2000mm
- Face to Face: Manufacturer Standard
- Rating : PN 10/16/25/40/64
- End Connection: Flanged to 1092-2
- MOC: One piece Body in Ductile Iron, Piston, Piston Rod, Crank, Fork, Obturator, Shaft: St. Steel
- Operation: Manual -Worm Gear Box, Electrical Actuation, Pneumatic Actuation
- Application: Control Duty



SERIES : REGFLUX **DESIGN: PLUNGER / NEEDLE**

- Sizes: DN 50mm to 2000mm
- Face to Face: Manufacturer Standard
- Rating : PN 10/16/25/40/64
- End Connection: Flanged to 1092-2
- MOC: One piece Body in Ductile Iron, Crank, Fork, Obturator, Shaft: St. Steel
- Operation: Manual -Worm Gear Box, Electrical Actuation, Pneumatic Actuation
- Application: Control Duty

SMART CONTROL VALVES



SERIES : PMD **DESIGN: GLOBE / DIAPHRAGM**

- Sizes: DN 50mm to 1000mm
- Face to Face: EN 558, Series-1
- Rating : PN 10/16/25
- End Connection: Flanged
- MOC: Body in Ductile Iron, Diaphragm: Rubber
- Operation: Dual solenoid
- Application: Control Duty



SERIES : LoRaWAN REMOTE **AIR VALVE CONTROL**

- Sizes: DN 40mm to 200mm
- Rating : PN16/25/40
- End Connection: Flanged to EN 1092-2
- MOC: Body & Cowl in Ductile Iron, Float: ABS / St.Steel, Guide & Guide Ring : St. Steel



SERIES : EL **DESIGN: DUAL SOLENOID**

- Sizes: DN 50mm to 1000mm
- Face to Face: EN 558, Series-1
- Rating : PN 10/16/25
- End Connection: Flanged
- MOC: Body in Ductile Iron, Diaphragm: Rubber
- Operation: Dual solenoid
- Application: Control Duty



SERIES : M117 **DESIGN: DUAL SET POINT PRV**

- Sizes: DN 40mm to 200mm
- Rating : PN16/25/40
- End Connection: Flanged to EN 1092-2
- MOC: Body & Cowl in Ductile Iron, Float: ABS / St.Steel, Guide & Guide Ring : St. Steel



Technomatics has in house facility to provide value added services for our products. Located in Coimbatore, our facility is 5000 sq. feet to house Product Inventory. Our facility includes Design & Engineering, Fabrication & Machine shop, Assembly & Testing, Service & Spares for our products.



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AUTHORISED DISTRIBUTOR FOR AVK VALVES

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