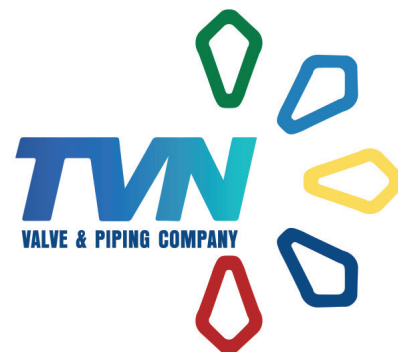


PRODUCT  
**CATALOGUE**  
VALVE & PIPING COMPANY





# About Us | Delivering Excellence Through Innovation

As technology evolves and market dynamics shift, we continually adapt our approach to meet the changing needs of our partners. Leveraging over 25 years of industry expertise, we combine strong production capabilities with a commitment to delivering innovative, reliable, and high-quality valve and fitting solutions worldwide. We view our clients as partners because we share a mutual commitment to success in every project. This partnership approach ensures we deliver exceptional results, tailored to your unique needs. As a Turkish manufacturer, we are extending our market through honest and sincere relations we build with our valuable partners, which is why we name our organization "Turkish Valve Network".

## **TVN: A Real Manufacturing Factory! Not a Reseller or an Assembly Shop**

Unlike many companies in the valve and fitting industry that act as resellers or assembly shops, we are a genuine valve manufacturer. We own and operate our own production lines, from design and engineering to final assembly. Many competitors rely on third-party suppliers or assembly processes, but our clients trust us because we manage every step of production, ensuring the highest level of quality control, precision, and consistency in every valve and fitting we produce. This full control over our manufacturing process allows us to offer superior products and customized valve solutions, specifically designed to meet the unique requirements of each project. Whether you need industrial valves, gate valves, check valves, butterfly valves or air release valves we can provide tailored solutions for any application.

## **Flexibility in Production: Tailored to Your Needs**

Our production capabilities are not just extensive—they are exceptionally flexible. We understand that every project is unique, which is why we offer custom valve solutions to meet specific demands. Whether it's adjusting valve design specifications, adapting to varying project timelines, or producing tailored solutions for different industries, our flexibility allows us to deliver results that align with your exact requirements. From small-batch custom orders to large-scale production runs, we are committed to offering fast turnaround times without compromising on quality. Our team is equipped to handle a wide range of valve manufacturing needs, ensuring that no project is too big or too small. We pride ourselves on providing agile solutions that can adapt quickly to changing market conditions or customer specifications.

## **Our Advantage**

We are proud to offer significant advantages to our global partners, including:

- \*Wide Product Range – A diverse selection of valve and fitting solutions from a single source.
- \*Scale of Production – Synchronized manufacturing enables remarkable production capacity.
- \*Competitive Pricing – Monitoring and optimizing the price/quality ratio to meet the most competitive demands.
- \*Enhanced Reliability – Verified, trusted production facility ensures high product consistency and performance.
- \*Certifications – A broad range of quality certifications ensures the highest standards are met for all our valves and fittings.
- \*Industry Insight – We keep our finger on the pulse of the valve and fitting industry to stay ahead of market trends.
- \*Flexible Solutions – Offering diversified, customer-oriented valve production tailored to your project requirements.
- \*Fast and Smart Solutions – Rapid response times for both products and services.
- \*After-Sales Service – Dedicated support to ensure satisfaction long after purchase.



## Customer Satisfaction & Quality Assurance

We don't just offer products; we offer peace of mind. Our products undergo 100% hydrostatic pressure resistance tests, ensuring the highest standards of quality and durability. From the initial phase through after-sales service, we are committed to supporting our customers every step of the way. Our valve quality control processes are second to none.

## Why Choose Us?

- All Production Under One Roof – We manage the entire process in our own production facilities, from valve design and quality control to assembly.
- WRAS-Certified Coating – Our Fusion Bonded Powder Epoxy (FBE) coating process ensures long-lasting durability for industrial valves.
- Tailored Solutions – Custom-designed valves to meet the unique requirements of your projects.
- Advanced Engineering – Cutting-edge engineering solutions and custom valve designs with PN10-16-25-40 pressure resistance.
- Continuous Monitoring – Our production processes are continuously optimized to guarantee consistent quality.
- Flexible and Customer-Centric Production – We offer solutions tailored to meet the specific needs of each customer.
- Comprehensive After-Sales Support – Providing long-term technical support and service to maximize product lifespan.

## Our Ambition

Our goal is to continue providing high-quality, innovative solutions tailored to the needs of our partners. With our expertise and reputation in over 40 countries, we are committed to being a trusted partner in the valve industry. We don't just sell products; we build long-term partnerships that stand the test of time.

# History

## Our Journey

**From Tradition to Global Excellence** Our story began in the 1950s when our first generation established a small shop in Ankara's main marketplace, specializing in plumbing equipment. Through dedication and hard work, this modest venture laid the foundation for what would become a thriving business. By the 1970s, the second generation took the helm, expanding into valve manufacturing and supply. Partnering with government authorities and contributing to large-scale projects across Turkey, the company experienced rapid growth and solidified its reputation in the industry. Throughout the 1980s, while maintaining its leadership in valve production, the company diversified into construction, tourism, and transportation, broadening its impact across multiple sectors. In the 1990s, we extended our operations beyond Turkey, acquiring a valve manufacturing plant in Gabrovo, Bulgaria—a facility that once served as a weapons and ammunition production center during the Soviet era.

After successfully producing high volumes of gate valves, we redirected our focus back to Turkey, increasing our domestic production capacity, including operations in Istanbul's Free Zone. Since the 2000s, as the third generation, we have built upon over 25 years of expertise in the valve and fittings industry. Today, we proudly serve more than 40 countries worldwide, including Eastern and Western Europe, Russia & CIS nations, the Middle East, North Africa, Sub-Saharan Africa, and South America. With a legacy rooted in quality, innovation, and global reach, we continue to shape the future of our industry—one valve at a time.



POTABLE WATER



WASTEWATER



DESALINATION



IRRIGATION



HVAC



INDUSTRY



GAS



FIRE FIGHTING



STEAM





| V106                                  |                         |
|---------------------------------------|-------------------------|
| DBL. ECC. BUTTERFLY VALVE - SERIES 14 |                         |
| DN100→DN3000                          | PN 10 - 16 - 25 - 40    |
| Design                                | EN 593                  |
| Face to face                          | EN 558 - Series 14 / F4 |



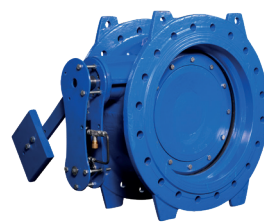
|         |                                 |
|---------|---------------------------------|
| Body    | GGG50                           |
| Disc    | GGG50                           |
| Stem    | AISI420 / 304 / 316 / Duplex SS |
| Sealing | EPDM / NBR                      |
| Coating | Powder Epoxy                    |

| V202                |                         |
|---------------------|-------------------------|
| TILTING CHECK VALVE |                         |
| DN100→DN3000        | PN 10 - 16 - 25 - 40    |
| Design              | EN 12334                |
| Face to face        | EN 558 - Series 14 / F4 |



|         |                                 |
|---------|---------------------------------|
| Flange  | EN 1092-2 / ISO 7005-2          |
| Disc    | GGG50                           |
| Stem    | AISI420 / 304 / 316 / Duplex SS |
| Sealing | EPDM / NBR                      |
| Coating | Powder Epoxy                    |

| V203                          |                         |
|-------------------------------|-------------------------|
| HYDRAULIC TILTING CHECK VALVE |                         |
| DN100→DN3000                  | PN 10 - 16 - 25 - 40    |
| Design                        | EN 12334                |
| Face to face                  | EN 558 - Series 14 / F4 |



|         |                                 |
|---------|---------------------------------|
| Flange  | EN 1092-2 / ISO 7005-2          |
| Disc    | GGG50                           |
| Stem    | AISI420 / 304 / 316 / Duplex SS |
| Sealing | EPDM / NBR                      |
| Coating | Powder Epoxy                    |

| V306                       |                        |
|----------------------------|------------------------|
| WASTEWATER COMBINATION ARV |                        |
| DN50 → DN250               | PN10 - 16              |
| Design                     | EN1074-4               |
| Flange                     | EN 1092-2 / ISO 7005-2 |



|             |                   |
|-------------|-------------------|
| Body        | GGG50             |
| Lower Float | AISI304 / AISI316 |
| Upper Float | PP / HDPE         |
| Sealing     | EPDM              |
| O-Ring      | EPDM / NBR        |
| Coating     | Powder Epoxy      |

| V301                        |                        |
|-----------------------------|------------------------|
| DYNAMIC TRIPLE FUNCTION ARV |                        |
| DN50→DN300                  | PN 10 - 16 - 25 - 40   |
| Design                      | EN 1074-4              |
| Flange                      | EN 1092-2 / ISO 7005-2 |



|              |              |
|--------------|--------------|
| Body         | GGG50        |
| Float        | HDPE         |
| Cover Filter | AISI 304     |
| Sealing      | EPDM         |
| O-Rings      | EPDM / NBR   |
| Coating      | Powder Epoxy |

| V302                               |                        |
|------------------------------------|------------------------|
| TRIPLE FUNCTION DOUBLE ORIFICE ARV |                        |
| DN50→DN300                         | PN 10 - 16 - 25 - 40   |
| Design                             | EN 1074-4              |
| Flange                             | EN 1092-2 / ISO 7005-2 |



|              |              |
|--------------|--------------|
| Body         | GGG50        |
| Float        | HDPE         |
| Cover Filter | AISI 304     |
| Sealing      | EPDM         |
| O-Rings      | EPDM / NBR   |
| Coating      | Powder Epoxy |

| V151                             |                                |
|----------------------------------|--------------------------------|
| RESILIENT SEATED GATE VALVE - F4 |                                |
| DN50→DN800                       | PN 10 - 16 - 25                |
| Design                           | EN 1171 / EN 1074              |
| Face to face                     | EN 558- Series 14 / DIN3202 F4 |



|                |                        |
|----------------|------------------------|
| Flange         | EN 1092-2 / ISO 7005-2 |
| Body & Sealing | GGG50 & EPDM / NBR     |
| Wedge          | EPDM Vulcanised GGG50  |
| Stem           | AISI420 / 304 / 316    |
| Coating        | Powder Epoxy           |
| Variation      | V152 Rising Stem       |

| V251                           |                               |
|--------------------------------|-------------------------------|
| FULL TIE-ROD DISMANTLING JOINT |                               |
| DN50→DN3000                    | PN 10 - 16 - 25 - 40          |
| Design                         | EN 1092-2                     |
| Body                           | Flange EN 1092-2 / ISO 7005-2 |



|                 |                                     |
|-----------------|-------------------------------------|
| Tie-Rods & Nuts | 8.8 Galvanized St. / AISI 304 / 316 |
| Washers         | 8.8 Galvanized St. / AISI 304 / 316 |
| Sealing         | EPDM                                |
| Coating         | Powder Epoxy                        |
| Variation       | V252 Light Type                     |

| V206              |                      |
|-------------------|----------------------|
| AXIAL CHECK VALVE |                      |
| DN100→DN1000      | PN 10 - 16 - 25 - 40 |
| Design            | EN 12334 / EN 16767  |
| Face to face      | EN 558 Series 8      |



|             |                        |
|-------------|------------------------|
| Flange      | EN 1092-2 / ISO 7005-2 |
| Body & Disc | GGG50                  |
| Spring      | AISI 304               |
| Sealing     | EPDM                   |
| Bushings    | Bronze                 |
| Coating     | Powder Epoxy           |



| V211                       |                     |
|----------------------------|---------------------|
| SLANTED SEAT TILTING CHECK |                     |
| DN100→DN1000               | PN10 - 16 - 25 - 40 |
| Design                     | EN 12334            |
| Face to face               | EN 558 Series 14    |



|         |                        |
|---------|------------------------|
| Flange  | EN 1092-2 / ISO 7005-2 |
| Body    | GGG50                  |
| Disc    | GGG50                  |
| Sealing | EPDM / Metal Seated    |
| Stem    | AISI 420 / 304         |
| Coating | Powder Epoxy           |

| V451        |                        |
|-------------|------------------------|
| FOOT VALVE  |                        |
| DN40→DN1000 | PN 10 - 16 - 25        |
| Flange      | EN 1092-2 / ISO 7005-2 |
| Body        | GGG50                  |



|           |                            |
|-----------|----------------------------|
| Disc      | GGG50                      |
| Stem      | AISI420 / 304 / 316        |
| Sealing   | EPDM / NBR                 |
| Filter    | Galvanized Steel / AISI304 |
| Coating   | Powder Epoxy               |
| Variation | V452 Crepine               |

| V901          |                         |
|---------------|-------------------------|
| PLUNGER VALVE |                         |
| DN150→DN1400  | PN 10 - 16 - 25 - 40    |
| Design        | EN 1074-5               |
| Face to face  | EN 558 - Series 15 / F5 |



|                |                                                  |
|----------------|--------------------------------------------------|
| Variations     | Slotted / Perforated Cylinder, Seat-Ring, V-Port |
| Connection     | Flanged EN1092-2                                 |
| Body           | GGG50                                            |
| Inner Material | Stainless Steel                                  |
| Sealing        | EPDM + Metal Sealing                             |
| Coating        | Powder Epoxy                                     |

| V153                             |                               |
|----------------------------------|-------------------------------|
| RESILIENT SEATED GATE VALVE - F5 |                               |
| DN50→DN600                       | PN 10 - 16 - 25               |
| Design                           | EN 1171 / EN 1074             |
| Face to face                     | EN 558-Series 15 / DIN3202 F5 |



|                |                        |
|----------------|------------------------|
| Flange         | EN 1092-2 / ISO 7005-2 |
| Body & Sealing | GGG50 & EPDM / NBR     |
| Wedge          | EPDM Vulcanised GGG50  |
| Stem           | AISI420 / 304 / 316    |
| Coating        | Powder Epoxy           |
| Variation      | V154 Rising Stem       |

| V155                         |                                 |
|------------------------------|---------------------------------|
| METAL SEATED GATE VALVE - F4 |                                 |
| DN50→DN500                   | PN 10 - 16                      |
| Design                       | EN 1171 / EN 1074               |
| Face to face                 | EN 558 - Series 14 / DIN3202 F4 |



|             |                                 |
|-------------|---------------------------------|
| Flange      | EN 1092-2 / ISO 7005-2          |
| Body & Seat | GGG50 & Brass                   |
| Wedge       | GGG50 + Brass                   |
| Stem        | AISI420 / 304 / 316             |
| Coating     | Industrial Epoxy / Powder Epoxy |
| Variation   | V156 Rising Stem                |

| V160      |                                    |
|-----------|------------------------------------|
| PENSTOCK  |                                    |
| Body      | SS304-316-316L                     |
| Design    | DIN 19569-4                        |
| Operation | Manual Handwheel/Gearbox/Motorised |



|               |                    |
|---------------|--------------------|
| Stem          | SS420-304-316-316L |
| Sealing       | EPDM / NBR / VITON |
| Mounting Type | Various            |





| V150             |                                 |
|------------------|---------------------------------|
| KNIFE GATE VALVE |                                 |
| DN50→DN2000      | PN 10 - 16                      |
| Face to face     | EN 558 Series 20                |
| Connection       | Semi Lug EN 1092-2 / ISO 7005-2 |



|           |                                  |
|-----------|----------------------------------|
| Body      | GGG50 / WCB Steel / SS / Duplex  |
| Knife     | AISI304 / 316 / Duplex           |
| Stem      | AISI420 / 304 / 316 / Duplex     |
| Sealing   | NBR / EPDM                       |
| Direction | Uni-directional / Bi-directional |
| Coating   | Powder Epoxy                     |

| V851         |                              |
|--------------|------------------------------|
| Y-STRAINER   |                              |
| DN15→DN600   | PN 10 - 16 - 25              |
| Face to face | EN 558 Series 1 / DIN3202 F1 |
| Flange       | EN 1092-2 / ISO 7005-2       |



|               |                        |
|---------------|------------------------|
| Body          | GGG40 / 50             |
| Bonnet        | GGG40 / 50             |
| Filter        | AISI 304 / 316         |
| Sealing       | EPDM                   |
| Discharge Nut | AISI 304 / 316 / Brass |
| Coating       | Powder Epoxy           |

| V852            |                        |
|-----------------|------------------------|
| BASKET STRAINER |                        |
| DN250→DN1200    | PN 10 - 16 - 25        |
| Face to face    | DIN3202 F15            |
| Flange          | EN 1092-2 / ISO 7005-2 |



|               |                        |
|---------------|------------------------|
| Body          | ST37 / GGG40           |
| Bonnet        | ST37 / GGG40           |
| Filter        | AISI 304 / 316         |
| Sealing       | EPDM / NBR             |
| Discharge Nut | AISI 304 / 316 / Brass |
| Coating       | Powder Epoxy           |

| V981 - V982           |                             |
|-----------------------|-----------------------------|
| QUARTER TURN ACTUATOR |                             |
| Torque (Nm)           | 6 - 2000                    |
| Body                  | FBE Coated Aluminium        |
| Voltage               | 220V / 24VDC-VAC 380V-3 ph. |



|                  |                         |
|------------------|-------------------------|
| Protection Class | IP67-68                 |
| Connection       | ISO 5211                |
| Operation        | Electrical / Manual     |
| V981             | Quarter Turn On/Off     |
| V982             | Quarter Turn Modulating |

| V983 - V984         |                              |
|---------------------|------------------------------|
| MULTI-TURN ACTUATOR |                              |
| Torque (Nm)         | 30 -1000                     |
| Body                | GGG40 + Aluminium            |
| Voltage             | 380-500 V / 50-60 Hz / 3 ph. |



|                  |                       |
|------------------|-----------------------|
| Protection Class | IP68                  |
| Connection       | ISO 5211              |
| Control Unit     | Optional              |
| V983             | On/Off Multi Turn     |
| V984             | Modulating Multi Turn |

| V985 - V986        |           |
|--------------------|-----------|
| PNEUMATIC ACTUATOR |           |
| Torque (Nm)        | 4-9350    |
| Body               | Aluminium |
| Air Pressure       | 5-8 Bar   |



|             |                  |
|-------------|------------------|
| Accessories | Limit Switch Box |
| Accessories | Namur Valve      |
| Connection  | ISO 5211         |
| V985        | Single Acting    |
| V986        | Double Acting    |





| V204 - V205      |                         |
|------------------|-------------------------|
| BALL CHECK VALVE |                         |
| DN50→DN600       | PN 10 - 16              |
| Design           | EN 12334                |
| Face to face     | EN 558 - Series 48 / F6 |



|            |                                                               |
|------------|---------------------------------------------------------------|
| Connection | <b>V204</b> Flanged EN1092-2<br><b>V205</b> Threaded EN 228-1 |
| Body       | GGG50                                                         |
| Ball       | NBR Coated Steel                                              |
| Sealing    | NBR/EPDM                                                      |
| Coating    | Powder Epoxy                                                  |

| V303               |                        |
|--------------------|------------------------|
| DOUBLE ORIFICE ARV |                        |
| DN50→DN200         | PN 10 - 16             |
| Design             | EN 1074-4              |
| Flange             | EN 1092-2 / ISO 7005-2 |



|         |              |
|---------|--------------|
| Body    | GG25 / GGG50 |
| Float   | HDPE         |
| Stem    | AISI 420     |
| Sealing | EPDM         |
| O-Rings | NBR / EPDM   |
| Coating | Powder Epoxy |

| V304         |                        |
|--------------|------------------------|
| ECO TYPE ARV |                        |
| DN50→DN200   | PN 10 - 16             |
| Design       | EN 1074-4              |
| Flange       | EN 1092-2 / ISO 7005-2 |



|            |                 |
|------------|-----------------|
| Body       | GG25 / GGG50    |
| Bonnet     | GG25 / GGG50    |
| Float      | HDPE            |
| Stem       | AISI 420        |
| Float Type | Cylinder / Ball |
| Coating    | Powder Epoxy    |

| V201              |                         |
|-------------------|-------------------------|
| SWING CHECK VALVE |                         |
| DN50→DN300        | PN 10 - 16              |
| Design            | EN 12334                |
| Face to face      | EN 558 - Series 48 / F6 |



|         |                        |
|---------|------------------------|
| Flange  | EN 1092-2 / ISO 7005-2 |
| Body    | GGG50                  |
| Stem    | AISI 420               |
| Sealing | EPDM                   |
| Coating | Powder Epoxy           |

| V351 - V401               |                                  |
|---------------------------|----------------------------------|
| FLANGE ADAPTOR - COUPLING |                                  |
| DN50→DN1400               | PN 10 - 16                       |
| Connection                | EN 1092-2 / ISO 7005-2           |
| Pipe Type                 | CI / DI / PE / PVC / GRP / Steel |



|              |                          |
|--------------|--------------------------|
| Body         | GGG50 / Steel            |
| Bolts & Nuts | 8.8 Galvanised / A2 / A4 |
| Sealing      | NR / EPDM / NBR          |
| Coating      | Powder Epoxy             |
| Variation    | V402 PE Type             |
| Variation    | V403 Dedicated Type      |

| V551                      |                        |
|---------------------------|------------------------|
| FIRE HYDRANT - OVERGROUND |                        |
| DN80→DN100                | PN 16                  |
| Design                    | EN 14384 / EN 1074 - 6 |
| Flange                    | EN 1092-2 / ISO 7005-2 |



|              |                        |
|--------------|------------------------|
| Height Range | 1450 - 1750 - 2150 mm. |
| Body         | GGG50                  |
| Stem         | Steel / AISI 420       |
| Coating      | Powder Epoxy           |
| Accessories  | V556 N-Part            |
| Accessories  | V557 Key               |

| V554                       |                        |
|----------------------------|------------------------|
| FIRE HYDRANT - UNDERGROUND |                        |
| DN80→DN100                 | PN16                   |
| Design                     | EN 14339 / EN 1074 - 6 |
| Flange                     | EN 1092-2 / ISO 7005-2 |



|             |                              |
|-------------|------------------------------|
| Body        | GGG50                        |
| Stem        | AISI 420                     |
| Outlet      | Aluminium / Brass            |
| Accessories | V992 Surface Box for Hydrant |
| Accessories | T-Key                        |

| V991-992    |                   |
|-------------|-------------------|
| SURFACE BOX |                   |
| Cover for   | Valves & Hydrants |
| Marking     | Customizable      |
| Cover       | GGG40             |



|           |                        |
|-----------|------------------------|
| Body      | GGG40                  |
| Pin       | ST37                   |
| Coating   | Bitumen Coating or FBE |
| Variation | V991 Valve Box         |
| Variation | V992 Hydrant Box       |

| V993                         |                  |
|------------------------------|------------------|
| TELESCOPIC EXTENSION SPINDLE |                  |
| For Gate Valve               |                  |
| Stem                         | Galvanized Steel |
| Cover Tube                   | PE               |



|                |              |
|----------------|--------------|
| Spindle Height | 450-700 mm   |
| Spindle Height | 650-1100 mm  |
| Spindle Height | 1050-1750 mm |
| Accessories    | T-Key        |
| Variation      | Rigid Type   |



| V101 - V102                |                  | V103 - V104              |                  | V200             |                    | V107                   |                    |
|----------------------------|------------------|--------------------------|------------------|------------------|--------------------|------------------------|--------------------|
| WAFER TYPE BUTTERFLY VALVE |                  | LUG TYPE BUTTERFLY VALVE |                  | LIFT CHECK VALVE |                    | U-TYPE BUTTERFLY VALVE |                    |
| DN40→DN600                 | PN 10 - 16       | DN40→DN600               | PN 16            | DN15→DN400       | PN 16              | DN50→DN600             | PN 10 - 16         |
| Design                     | EN 593           | Design                   | EN 593           | Design           | EN 12334 / EN16767 | Design                 | EN 593             |
| Face to face               | EN 558 Series 20 | Face to face             | EN 558 Series 20 | Face to face     | EN 558 Series 1    | Face to face           | EN 558 - Series 20 |



|         |                                                      |         |                                                      |         |                        |         |                        |
|---------|------------------------------------------------------|---------|------------------------------------------------------|---------|------------------------|---------|------------------------|
| Body    | GG25 - GGG40                                         | Body    | GG25 - GGG40                                         | Flange  | EN 1092-2 / ISO 7005-2 | Flange  | EN 1092-2 / ISO 7005-2 |
| Disc    | <b>V101</b> Nickel Coated DI<br><b>V102</b> AISI 304 | Disc    | <b>V103</b> Nickel Coated DI<br><b>V104</b> AISI 304 | Disc    | AISI 304               | Body    | GGG50                  |
| Stem    | AISI 420                                             | Stem    | AISI420                                              | Spring  | AISI 304               | Disc    | GGG50 / AISI304 / 316  |
| Sealing | EPDM / NBR / VITON                                   | Sealing | EPDM / NBR / VITON                                   | Sealing | Graphite               | Stem    | AISI 420               |
| Coating | Powder Epoxy                                         | Coating | Powder Epoxy                                         | Coating | Industrial Epoxy       | Coating | Powder Epoxy           |

| V158          |                   | V159                  |                   | V801         |                 | V802                    |                 |
|---------------|-------------------|-----------------------|-------------------|--------------|-----------------|-------------------------|-----------------|
| SERVICE VALVE |                   | SOCKET-END GATE VALVE |                   | GLOBE VALVE  |                 | BELLOW SEAL GLOBE VALVE |                 |
| DN15→DN50     | PN 10 - 16        | DN50→DN300            | PN 10 - 16        | DN15→DN350   | PN 10-16-25     | DN15→DN200              | PN 10-16-25-40  |
| Design        | EN 1171 / EN 1074 | Design                | EN 1171 / EN 1074 | Design       | EN 13789        | Design                  | EN 13789        |
| Face to face  | EN 558            | Face to face          | EN 558            | Face to face | EN 558 Series 1 | Face to face            | EN 558 Series 1 |



|            |                       |            |                       |         |                        |                |                        |
|------------|-----------------------|------------|-----------------------|---------|------------------------|----------------|------------------------|
| Connection | Threaded EN ISO 228-1 | Connection | ISO 4422 Socket-End   | Flange  | EN 1092-2 / ISO 7005-2 | Flange         | EN 1092-2 / ISO 7005-2 |
| Body       | GGG50                 | Body       | GGG50                 | Disc    | AISI 420 / A105        | Body           | GGG40                  |
| Stem       | AISI420 / 304 / 316   | Wedge      | EPDM Vulcanised GGG50 | Stem    | AISI 420               | Disc           | GGG50 / AISI304 / 316  |
| Sealing    | EPDM                  | Sealing    | EPDM / NBR            | Sealing | Graphite               | Bellow Seal    | AISI 304               |
| Coating    | Powder Epoxy          | Coating    | Powder Epoxy          | Coating | Industrial Epoxy       | Bonnet Sealing | Steel + Graphite       |
|            |                       |            |                       |         |                        | Coating        | Industrial Epoxy       |

| V207               |                      | V208                     |                  | V209                   |                  | V961        |                     |
|--------------------|----------------------|--------------------------|------------------|------------------------|------------------|-------------|---------------------|
| DISC-O CHECK VALVE |                      | WAFER SWING CHECK V ALVE |                  | DUAL PLATE CHECK VALVE |                  | FLANGE      |                     |
| DN15→DN250         | PN 16                | DN25→DN400               | PN 16            | DN50→DN400             | PN 16            | DN15→DN2000 | PN 6-10-16-25-40-64 |
| Face to face       | EN 558 Series 49     | Design                   | EN 14341         | Design                 | EN 12334         | Standards   | EN / ANSI / JIS     |
| Connection         | Wafer Type EN 1092-1 | Face to face             | EN 558 Series 97 | Face to face           | EN 558 Series 16 | Variations  | Flat Flanges        |



|                  |                         |            |                      |            |                      |            |                      |
|------------------|-------------------------|------------|----------------------|------------|----------------------|------------|----------------------|
| Body             | MS58/GGG50/AISI 304/316 | Connection | Wafer Type EN 1092-1 | Connection | Wafer Type EN 1092-1 | Variations | Threaded Flanges     |
| Disc             | AISI 304 / GGG50        | Body       | WCB / AISI 304       | Body       | GG25                 | Variations | Lap Joint Flanges    |
| Spring           | AISI 304                | Disc       | AISI 304 / 316       | Disc       | AISI 304 / GGG50     | Variations | Welding Neck Flanges |
| Positioning Band | AISI 304                | Spring     | AISI 304             | Spring     | AISI 304             | Variations | Socket Weld Flanges  |
| Coating          | Industrial Epoxy        | Sealing    | EPDM                 | Sealing    | EPDM                 | Variations | Blind Flanges        |
|                  |                         | Hook       | Steel                | Coating    | Powder Epoxy         | Variations | Slip On Flanges      |

| V751         |                  | V752                 |                | V753           |                  | V754                |                 |
|--------------|------------------|----------------------|----------------|----------------|------------------|---------------------|-----------------|
| BALL VALVE   |                  | LONG TYPE BALL VALVE |                | GAS BALL VALVE |                  | THREADED BALL VALVE |                 |
| DN15→DN250   | PN 10-16-25      | DN15→DN250           | PN 10-16-25    | DN15→DN250     | PN 10-16-25      | DN65→DN100          | PN 16           |
| Design       | DIN 3357         | Design               | DIN 3357       | Design         | DIN 3357         | Design              | EN 331 - EN1983 |
| Face to face | EN 558 Series 14 | Face to face         | EN558 Series 1 | Face to face   | EN 558 Series 14 | Face to face        | DIN3202 / M3    |



|         |                          |         |                          |         |                          |            |                          |
|---------|--------------------------|---------|--------------------------|---------|--------------------------|------------|--------------------------|
| Flange  | EN 1092-2 / ISO 7005-2   | Flange  | EN 1092-2 / ISO 7005-2   | Flange  | EN 1092-2 / ISO 7005-2   | Connection | Threaded EN ISO 228-1    |
| Body    | GG25 / GGG40             | Body    | GG25 / GGG40             | Body    | GG25 / GGG40             | Body       | GG25 / GGG40             |
| Ball    | Chrome Plated / AISI 304 | Ball    | Chrome Plated / AISI 304 | Ball    | Chrome Plated / AISI 304 | Ball       | Chrome Plated / AISI 304 |
| Stem    | AISI 1040 / 420          | Stem    | AISI 1040 / 420          | Stem    | AISI 1040 / 420          | Stem       | AISI 1040 / 420          |
| Coating | Industrial Epoxy         | Coating | Industrial Epoxy         | Sealing | PTFE                     | Sealing    | PTFE                     |
|         |                          |         |                          | Coating | Industrial Epoxy         | Coating    | Industrial Epoxy         |

| V601                  |                 | V651                          |            | V652                       |            | V653                             |           |
|-----------------------|-----------------|-------------------------------|------------|----------------------------|------------|----------------------------------|-----------|
| AXIAL EXPANSION JOINT |                 | FLEXIBLE RUBBER JOINT - STEEL |            | FLEXIBLE RUBBER JOINT - DI |            | FLEXIBLE RUBBER JOINT - THREADED |           |
| DN25→DN1000           | PN 10 - 16 - 25 | DN25→DN1000                   | PN 10 - 16 | DN25→DN1000                | PN 10 - 16 | DN25→DN50                        | PN 16     |
| Design                | EN 14917 & EJMA | Design                        | DIN 30680  | Design                     | DIN 30680  | Design                           | DIN 30680 |
| Face to face          | EN 14917        | Face to face                  | DIN 30680  | Face to face               | DIN 30680  | Face to face                     | DIN 30680 |



|             |                        |                   |                                 |                   |                                 |                   |                            |
|-------------|------------------------|-------------------|---------------------------------|-------------------|---------------------------------|-------------------|----------------------------|
| Flange end  | EN 1092-2 / ISO 7005-2 | Flange            | EN 1092-2 / ISO 7005-2          | Flange            | EN 1092-2 / ISO 7005-2          | Threaded-End      | EN 228-1                   |
| Welding end | EN 12627               | Body              | Fabric or Steel Reinforced EPDM | Body              | Fabric or Steel Reinforced EPDM | Body              | Nylon Reinforced NBR/ EPDM |
| Body        | AISI 304 / 316 / 321   | Flange            | Galvanised Steel                | Flange            | Ductile Iron                    | Raccord           | Galvanised Malleable Iron  |
| Flange      | Steel / AISI304 / 316  | Sealing           | EPDM / NBR                      | Sealing           | EPDM / NBR                      | Inner Cord        | Nylon                      |
| Liner       | AISI 304 / 316 / 321   | Temperature       | 90 °C                           | Temperature       | 130 °C                          | Temperature       | 90 °C                      |
| Version     | With & Without Liner   | Coating of flange | Galvanization                   | Coating of flange | Galvanization                   | Coating of flange | Galvanization              |

| V951                       |                        | V50-51-52-53 Series            |                        | V602 - 603 - 604 - 605 - 606 |                 |
|----------------------------|------------------------|--------------------------------|------------------------|------------------------------|-----------------|
| ELECTROMAGNETIC FLOW METER |                        | CONTROL VALVE - GLOBE & Y TYPE |                        | EXPANSION JOINT SERIES       |                 |
| DN3→DN3000                 | PN10-16-25-40          | DN40→DN400                     | 0,7 - 25 bar           | DN32→DN600                   | PN 10 - 16 - 25 |
| Flange                     | EN 1092-2 / ISO 7005-2 | Flange                         | EN 1092-2 / ISO 7005-2 | Design & face to face        | EN 14917 & EJMA |



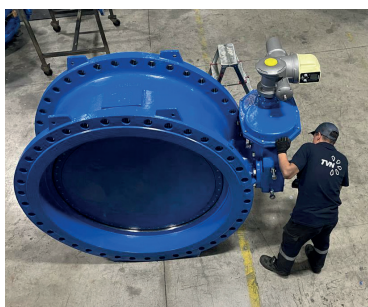
|                      |                      |                          |                         |              |                        |
|----------------------|----------------------|--------------------------|-------------------------|--------------|------------------------|
| Temperature          | -25 °C 150 °C        | Pressure Reducing        | Float Level - Electric  | Flange ends  | EN 1092-2 / ISO 7005-2 |
| Minimum Conductivity | 5µs / cm             | Pressure Red. - Solenoid | Surge Anticipating      | Welding ends | EN 12627               |
| Sealing              | EPDM / PTFE          | Pressure Sustaining      | Flow Control            | V602         | Externally Pressurised |
| Input Voltage        | AC85-250V / DC20-36V | Pressure Sus. & Reducing | Horizontal Pump Control | V603         | Angular                |
| Insulation Class     | IP65 / IP67 / IP68   | Pressure Relief          | Vertical Pump Control   | V604         | Dilatation             |
| Version              | With & Without Liner | Float Level              | Solenoid                | V605         | Vibration              |
|                      |                      |                          |                         | V606         | Decorative             |



| Project Name/Content                                                                                                                                                     | Country           | End User / Client                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------|
| Kef-Eddir Project 110km. Pipeline, Pumping Station, Reservoirs (Butterfly, Gate, Air Valves, Pipe Joints, Basket Strainers) DN50 - DN1600 PN10 - 16 - 25 - 40            | Algeria 2022-2023 | Anbt                                                                           |
| Water Authority Yearly Project Supply Agreement (Series 14 & Series 15 Gate Valves)                                                                                      | Algeria 2020      | Seaal Société Des Eaux Et De L'assainissement D'alger                          |
| Bejaia Pumping Station (Butterfly, Gate, Check Valve, Dismantling Joints, Pipe Joints)                                                                                   | Algeria 2021      | Ministère Des Ressources En Eau Algérienne Des Eaux                            |
| Kenchala Pumping Station (Butterfly, Gate, Check Valve, Dismantling Joints, Pipe Joints)                                                                                 | Algeria 2021      | Ministère Des Ressources En Eau Algérienne Des Eaux                            |
| Renforcement Et Sécurisation De L'aep De La Wilaya De Constantine Lot 01 Et 02 (Butterfly, Gate Valve, Dismantling, Flexible Joints, Check Valve, Ductile Iron Fittings) | Algeria 2021      | Ministère Des Ressources En Eau                                                |
| Palm Beach Desalination Plant (Butterfly Valve, Gate Valve, Knife Gate Valve, Dismantling Joint, Air Valve)                                                              | Algeria 2021      | Cosider Groupe                                                                 |
| Zeralda Desalination Plant (Butterfly Valve, Gate Valve, Knife Gate Valve, Dismantling And Pipe Joints, Air Valve)                                                       | Algeria 2021      | Cosider Groupe                                                                 |
| La Fontaine Desalination Plant (Butterfly Valve, Gate Valve, Knife Gate Valve, Dismantling Joint, Air Valve)                                                             | Algeria 2021      | Cosider Groupe                                                                 |
| La Marsa Desalination Plant (Butterfly Valve, Gate Valve, Knife Gate Valve, Dismantling Joint, Air Valve)                                                                | Algeria 2021      | Cosider Groupee                                                                |
| Bateau Casse Desalination Plant (Butterfly Valve, Gate Valve, Knife Gate Valve, Dismantling Joint, Air Valve)                                                            | Algeria 2022      | Algerian Energy Company                                                        |
| Reghaia 60.000 m³ Desalination Plant (Butterfly Valve, Gate Valve, Knife Gate Valve, Dismantling Joint, Air Valve)                                                       | Algeria 2022      | Cosider Groupe                                                                 |
| Toshka Zone S Project (Hydraulic Check Valves DN1400)                                                                                                                    | Egypt 2023        | Hassan Allam Construction Company S.a.e                                        |
| Step Marrakech Radeema Project Lot 2 (DN1000 Dbl. Ecc. Butterfly Valves, Dismantling Joints, Gate Valves, Air Release Valves)                                            | Morocco 2024      | Radeema                                                                        |
| Safi 1 Seawater Desalination Plant (Ebonite, Enamel Coated BfV, DJ, GV)                                                                                                  | Morocco 2023      | Ocp Group                                                                      |
| Toshka Zone 1 Project (Hydraulic Check Valves DN400-500)                                                                                                                 | Egypt 2023        | Summit Contractor                                                              |
| Toshka Project New Valley Project (Butterfly Valve And Hydraulic Check Valves From DN250 To DN1000)                                                                      | Egypt 2020-2021   | Madkour Contractor                                                             |
| Damietta Water & Wastewater Company Annual Supply (5 Containers Of Gate Valves & Dbl. Ecc. Butterfly Valves)                                                             | Egypt 2022        | Damietta Water Company                                                         |
| Alexandria Water Company Pumping Station Modulating Pneumatic Flanged Butterfly Valve Replacement                                                                        | Egypt 2022        | Alexandria Water Company                                                       |
| Construction Of Irrigation Scheme In Northern Gaza Zone A1-500ha Gate Valves Up To DN900 Size                                                                            | Palestine 2022    | Palestinian Water Authority                                                    |
| Afghanistan Urban Water Supply And Sar-I Tapa Karte-I - New District 8 (Gate Valve, Extension Spindles, Air Valves)                                                      | Afghanistan       | World Bank Mcc                                                                 |
| Turkmenbashi Desalination Plant (34 Pcs. DN700 Dbl. Ecc. Butterfly Valve)                                                                                                | Turkmenistan      | State Committee For Water Management Of Turkmenistan                           |
| Ebs Water Project                                                                                                                                                        | Turkmenistan      | State Committee For Water Management Of Turkmenistan                           |
| World Bank – Accra Water Mains Modernization                                                                                                                             | Ghana             | Ghana Water Company                                                            |
| Zandvliet Pump                                                                                                                                                           | South Africa      | Water & Sanitation Department Republic Of South Africa                         |
| Al Qubba Wtp                                                                                                                                                             | Iraq              | Governate Of Mosul & Undp                                                      |
| Construction Of Water Supply And Sewerage Systems In Marneuli And Sewerage System And Collector In Bolnisi                                                               | Georgia           | Ministry Of Regional Development & Infrastructure Of Georgia                   |
| Jardin Potable Water Project                                                                                                                                             | Georgia           | Ministry of Regional Development & Infrastructure of Georgia, Financed by EBRD |
| Chiatura Water Supply Project                                                                                                                                            | Georgia           | United Water Supply Company of Georgia                                         |
| Restoration Of The Instrumental Monitoring System Of Algeti Water Reservoir Dam And Hydraulic                                                                            | Azerbaijan        | Azersu Ojsc                                                                    |
| Laçın Water Supply Project (Butterfly Valve, Gate Valve, Knife Gate Valve, Dismantling Joint, Air Valve, Check Valve)                                                    | Azerbaijan 2023   | Azersu Ojsc                                                                    |
| Arequipa Lot 2 Water Transmission Project                                                                                                                                | Peru              | National Water Authority Of Peru                                               |
| Irrigation Project Mejoramiento Del Servicio De Agua Para Riego En La Comunidad De Mancomayo, Tittomayo Yutto, Distrito De Andahuaylillas - Quispicanchi - Cusco         | Peru 2022         | Cusco Regional Government                                                      |
| Municipal Water Company Eps Sedacusco S.a. Water Authority Tender Supply (DN400-500-700-800 BfV, DN200-250 GV)                                                           | Peru 2024         | Municipal Company From Cusco                                                   |
| Haseke City Water Supply Project                                                                                                                                         | Syria             | Danish Non-Government Organization                                             |
| Sicily WWTP Renovation Project                                                                                                                                           | Italy             | Meccfor                                                                        |
| Ina D.d., Refinery Rijeka, Croatia                                                                                                                                       | Croatia 2022      | Ina Refinery                                                                   |
| Oem Private Label Production                                                                                                                                             | Germany 2022      | Rwe Power A.g.                                                                 |
| Grodków Sewage Treatment Plant                                                                                                                                           | Poland 2022       | Grodków Wwtp                                                                   |
| Kazan Region Wastewater Pipeline And Pumping Station Project                                                                                                             | Russia 2023       | Kazan Vodokanal                                                                |
| OEM Private Label Production                                                                                                                                             | Spain             | Spanish Valve Brand                                                            |
| OEM Private Label Production                                                                                                                                             | Russia            | Russian Valve Brand                                                            |
| OEM Private Label Production                                                                                                                                             | Italy             | Two Different Italian Valve Brands                                             |
| OEM Private Label Production                                                                                                                                             | Czechia           | Czech Valve Brand                                                              |
| OEM Private Label Production                                                                                                                                             | Germany           | RWE Power A.g.                                                                 |

More recent references are available upon request









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