

STAR
VALVE



Hakkımızda

2012 yılında Kocaeli-Gebze'de kurulan STARVALVE Proses Vanaları ve Aktüatör Teknolojisi A.Ş., proses vanaları ve aktüatör sistemleri alanında uzmanlaşmış bir çözüm sağlayıcıdır. Sektördeki ihtiyaçlara uctan uca çözümler sunmaktadır. 2020 yılında Dilovası'ndaki yeni tesisine taşınarak üretim kapasitesini artırmış, uluslararası pazarlarda daha güçlü bir konuma ulaşmıştır.

Ürün gamımızda;

- Teflon (PTFE/PFA) kaplı vanalar, boru ve ek parçaları,
- U-PVC, C-PVC, ABS, PP-H, PVDF gibi termoplastik malzemelerden üretilmiş vanalar, boru ve ek parçaları,
- Kelebek, küresel, bıçak sürgülü, diyafram vanalar gibi genel endüstriyel vanalar,
- Elektrik, pnömatik ve hidrolik aktüatörler yer almaktadır.

Ayrıca, Avrupa'nın önde gelen termoplastik vana üreticilerinden İtalyan FIP firmasının ve Hollanda merkezli endüstriyel vana üreticilerinden Como Valve B.V.'nin Türkiye'deki yetkili satıcısıyız.

Yenilikçi mühendislik yaklaşımımız, güçlü Ar-Ge ve üretim altyapımız, esnek stok yapımız ve müşteri odaklı çözümlerimizle; STARVALVE olarak müşterilerimizin değişen ihtiyaç ve taleplerine yenilikçi ve optimum çözümler üretiyor, her türlü akışkan kontrolü ihtiyacına profesyonel ve hızlı yanıt veriyoruz. Global pazarda güvenilir bir çözüm ortağı olma vizyonuyla ilerliyoruz.

About Us

Founded in 2012 in Kocaeli-Gebze, STARVALVE Proses Vanaları ve Aktüatör Teknolojisi A.Ş. is a solution provider specialized in industrial valves and actuator systems. We offer end-to-end solutions tailored to the needs of the industry. In 2020, we relocated to our new facility in Dilovası, expanding our production capacity and strengthening our position in international markets.

Our product range includes;

- Valves, pipes, and fittings lined with Teflon (PTFE/PFA)
- Valves, pipes, and fittings made from thermoplastic materials such as U-PVC, C-PVC, ABS, PP-H, and PVDF
- General industrial valves such as butterfly, ball, knife gate, and diaphragm valves
- Electric, pneumatic, and hydraulic actuators

We are also the authorized distributor in Türkiye for FIP, one of Europe's leading thermoplastic valve manufacturers, and Como Valve B.V., a Dutch industrial valve producer.

With our innovative engineering approach, strong R&D and production infrastructure, flexible inventory system, and customer-focused solutions, STARVALVE develops innovative and optimal responses to the evolving needs and demands of its customers. We provide fast and professional answers to all fluid control requirements and continue to move forward with the vision of becoming a trusted solution partner in the global market.

- SV210 Series, Double Union, Industrial Type Ball Valves
- SV210 Series, Pneumatic Actuated, Industrial Type Ball Valves
- SV210 Series, Electrical Actuated, Industrial Type Ball Valves
- SV230 Series, Double Union, Industrial Type Three-Way Ball Valves
- SV230 Series, Pneumatic Actuated, Industrial Type Three-Way Ball Valves
- SV230 Series, Electrical Actuated, Industrial Type Three-Way Ball Valves
- SV310 Series, Double Union, Industrial Type Butterfly Valves
- SV310 Series, Pneumatic Actuated, Industrial Type Butterfly Valves
- SV310 Series, Electrical Actuated, Industrial Type Butterfly Valves
- SV410 Series, Double Union, Industrial Type Diaphragm Valves
- SV410 Series, Flanged, Industrial Type Diaphragm Valves
- DK Series, Pneumatic Actuated Diaphragm Valves
- SV420 Series, Pressure Control Valves
- SV610 Series, Double Union, Industrial Type Ball Check Valves
- SV620 Series, Industrial Type Swing Check Valves
- SV630 Series, Industrial Type Foot Valves
- CR Series, Wafer Type Swing Check Valves
- RV Series, Double Union, Y-Type Strainer
- S22 Series, 2/2 U-PVC Solenoid Vanalar
- SV930 Series, U-PVC Pipe and Fittings
- SV930 Series, PP-H Pipe and Fittings
- SV930 Series, PVDF Pipe and Fittings
- SV930 Series, C-PVC Pipe and Fittings
- SV930 Series, Clear-PVC Pipe and Fittings



- SV350 Series, PTFE (Teflon) Lined Butterfly Valves
- SV450 Series, PFA (Teflon) Lined Diaphragm Valves
- SV260 Series, PFA (Teflon) Lined Plug Valves
- SV250 Series, PFA (Teflon) Lined Ball Valves
- SV656 - SV664 Series, PFA (Teflon) Lined Check Valves
- SV930 Series, PFA/PTFE (Teflon) Lined Pipe and Fittings



- SV320 Series, Wafer Type Metal Butterfly Valves
- SV320 Series, Pneumatic Actuated, Wafer Type Metal Butterfly Valves
- SV320 Series, Electrical Actuated, Wafer Type Metal Butterfly Valves
- SV380 Series, Wafer Type Metal Butterfly Valves
- SV330 Series, Hand Lever, Lug Type Metal Butterfly Valves
- SV330 Series, Pneumatic Actuated, Lug Type Metal Butterfly Valves
- SV330 Series, Electrical Actuated, Lug Type Metal Butterfly Valves
- SV370 Series, Wafer Type Double Offset High Performance Butterfly Valves
- SV371 Series, Lug Type Double Offset High Performance Butterfly Valves
- SV390 Series, Wafer Type Triple Offset High Performance Butterfly Valves
- SV391 Series, Lug Type Triple Offset High Performance Butterfly Valves
- SV340 Series, Hygienic Butterfly Valves
- SV222 Series, Pneumatic Actuated, Brass Ball Valves
- SV222 Series, Electrical Actuated, Brass Ball Valves
- SV223 Series, Pneumatic Actuated, Three Pieces Ball Valves
- SV223 Series, Electrical Actuated, Three Pieces Ball Valves
- SV224 Series, Pneumatic Actuated, Monoblock Type Ball Valves
- SV224 Series, Electrical Actuated, Monoblock Type Ball Valves
- SV225 Series, Pneumatic Actuated, Two Pieces Type Flanged Ball Valves
- SV225 Series, Lever / Electrical Actuated, Two Pieces Type Flanged Ball Valves
- SV233 Series, Lever / Pneumatic Actuated, Three-Way Ball Valves
- SV233 Series, Electrical Actuated, Three-Way Ball Valves
- SV657 Series, Dual Plate Check Valves
- SV950 Series, Wafer Type Manual Knife Gates Valves
- SV950 Series, Pneumatic Actuated, Wafer Type Knife Gates Valves
- SV240 Series, V-Port Segment Ball Valves
- SV970 Series, Manual / Pneumatic / Electrical Actuated Pinch Valves



- STAR-P Series, Pneumatic Actuators and Accessories
- STAR-PP Series, Pneumatic Actuators and Accessories
- STAR-PS Series, Pneumatic Actuators and Accessories
- STAR-ALFA Series, Electric Actuators
- STAR-E Series, Electric Actuators
- STAR-EV Series, Electric Actuators
- STAR-M Series, Electric Actuators



- Variable Area Flowmeters
- Diaphragm Type Pressure Gauge



THERMOPLASTIC PRODUCTS



SV210 SERIES

DOUBLE UNION INDUSTRIAL TYPE BALL VALVES

TECHNICAL ADVANTAGES

- ½" ~ 4" sizes,
- Drinking water standards,
- CaCO₃ calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- Double o-ring shaft design,
- Friction and wearing resistance PTFE (Teflon) ball seal,
- Reducing the wearing of PTFE seat with back-up o-ring for frequently opening/closing applications,
- Safe mounting with a special locking ball system,
- Water applications EPDM O-ring, Acidic applications VITON O-ring alternatives,
- Made of stainless steel material with bracket&shaft ISO5211 directly according to mounting actuator top flanged,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS norms



MATERIAL OPTIONS	CONNECTION TYPE	TECHNICAL DRAWING
<ul style="list-style-type: none">• U-PVC• C-PVC• PP-H• PVDF• TRANSPARENT-PVC	<ul style="list-style-type: none">MAXIMUM 55°CMAXIMUM 95°CMAXIMUM 95°CMAXIMUM 140°CMAXIMUM 55°C <ul style="list-style-type: none">• Socket Solvent Cement (U-PVC, C-PVC),• Threaded End (U-PVC, C-PVC, PP-H, PVDF),• Socket Welded (PP-H - PVDF),• Butt Welded (PP-H - PVDF)	

TECHNICAL ADVANTAGES

- 1/2" ~ 4" sizes,
- Drinking water standards,
- CaCO₃ calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- Double o-ring shaft design,
- Friction and wearing resistance PTFE (Teflon) ball seal,
- Reducing the wearing of PTFE seat with back-up o-ring for frequently opening/closing applications,
- Safe mounting with a special locking ball system,
- Water applications EPDM O-ring, Acidic applications VITON O-ring alternatives,
- Made of stainless steel material with bracket&shaft ISO5211 directly according to mounting actuator top flanged,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS norms

SV210 SERIES

PNEUMATIC ACTUATED INDUSTRIAL TYPE BALL VALVES



MATERIAL OPTIONS	CONNECTION TYPE	ACTUATOR FEATURES
• U-PVC	MAXIMUM 55°C	• Socket Solvent Cement (U-PVC, C-PVC),
• C-PVC	MAXIMUM 95°C	• Threaded End (U-PVC, C-PVC, PP-H, PVDF),
• PP-H	MAXIMUM 95°C	• Socket Welded (PP-H - PVDF),
• PVDF	MAXIMUM 140°C	• Flanged (U-PVC, C-PVC, PP-H, PVDF),
• TRANSPARENT-PVC	MAXIMUM 55°C	• Butt Welded (PP-H - PVDF)

SV210 SERIES

ELECTRICAL ACTUATED INDUSTRIAL TYPE BALL VALVES

TECHNICAL ADVANTAGES

- ½" ~ 4" sizes,
- Drinking water standards,
- CaCO₃ calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- Double o-ring shaft design,
- Friction and wearing resistance PTFE (Teflon) ball seal,
- Reducing the wearing of PTFE seat with back-up o-ring for frequently opening/closing applications,
- Safe mounting with a special locking ball system,
- Water applications EPDM O-ring, Acidic applications VITON O-ring alternatives,
- Made of stainless steel material with bracket&shaft ISO5211 directly according to mounting actuator top flanged,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS norms



MATERIAL OPTIONS	CONNECTION TYPE	ACTUATOR FEATURES
<ul style="list-style-type: none">• U-PVC• C-PVC• PP-H• PVDF• TRANSPARENT-PVC	<ul style="list-style-type: none">MAXIMUM 55°CMAXIMUM 95°CMAXIMUM 95°CMAXIMUM 140°CMAXIMUM 55°C	<ul style="list-style-type: none">• Socket Solvent Cement (U-PVC, C-PVC),• Threaded End (U-PVC, C-PVC, PP-H, PVDF),• Socket Welded (PP-H - PVDF),• Flanged (U-PVC, C-PVC, PP-H, PVDF),• Butt Welded (PP-H - PVDF)

TECHNICAL ADVANTAGES

- " 3/8 ~ 2" (DN10 ~ DN50) sizes,
- Both L-type and T-type working option,
- Drinking water standards,
- CaCO₃ calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- Water applications EPDM O-ring, Acidic applications VITON O-ring alternatives,
- Made of PPS material with bracket&shaft ISO5211 directly according to mounting actuator top flanged,
- 100% tightness testing before shipment,
- Working pressure Max:10 Bar,
- DIN, ANSI, JIS Norms

SV230 SERIES

HAND LEVER THREE-WAY BALL VALVES



MATERIAL OPTIONS

- U-PVC
- C-PVC
- PP-H
- PVDF

MAXIMUM 55°C
MAXIMUM 95°C
MAXIMUM 95°C
MAXIMUM 140°C

CONNECTION TYPE

- Socket Solvent Cement (U-PVC, C-PVC),
- Threaded End (U-PVC, C-PVC, PP-H, PVDF),
- Socket Welded (PP-H - PVDF),
- Butt Welded (PP-H - PVDF),
- Flanged

APPLICATION AREA

- Chemical and Petrochemical Industry,
- Water and Process Technologies,
- In the Shipbuilding and Yacht Industry,
- Electrolysis Premises,
- Mining Industry,
- Food Industry,
- Cooling Systems,
- Coating Plant

SV230 SERIES

PNEUMATIC ACTUATED THREE-WAY BALL VALVES

TECHNICAL ADVANTAGES

- " 3/8" - 2" (DN10 ~ DN50) sizes,
- Both L-type and T-type working option,
- Drinking water standards,
- CaCO₃ calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- Water applications EPDM O-ring, Acidic applications VITON O-ring alternatives,
- Made of PPS material with bracket&shaft ISO5211 directly according to mounting actuator top flanged,
- 100% tightness testing before shipment,
- Working pressure Max:10 Bar,
- DIN, ANSI, JIS Norms



MATERIAL OPTIONS	CONNECTION TYPE	ACTUATOR FEATURES
<ul style="list-style-type: none">• U-PVC• C-PVC• PP-H• PVDF	<ul style="list-style-type: none">MAXIMUM 55°CMAXIMUM 95°CMAXIMUM 95°CMAXIMUM 140°C	<ul style="list-style-type: none">• Socket Solvent Cement (U-PVC, C-PVC),• Threaded End (U-PVC, C-PVC, PP-H, PVDF),• Socket Welded (PP-H - PVDF),• Butt Welded (PP-H - PVDF),• Flanged <ul style="list-style-type: none">• Aluminum extruded body,• Double acting or single acting (spring return) pneumatic actuator options,• Optional on / off switch box with mechanical or proximity limit,• optional with NAMUR valve type air direction,• 3-15 psi or proportional control with a choice of 4-20 mA

TECHNICAL ADVANTAGES

- " $\frac{3}{8}$ " – 2" (DN10 ~ DN50) sizes,
- Both L-type and T-type working option,
- Drinking water standards,
- CaCO₃ calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- Water applications EPDM O-ring, Acidic applications VITON O-ring alternatives,
- Made of PPS material with bracket&shaft ISO5211 directly according to mounting actuator top flanged,
- 100% tightness testing before shipment,
- Working pressure Max:10 Bar,
- DIN, ANSI, JIS Norms

SV230 SERIES

ELECTRICAL ACTUATED THREE-WAY BALL VALVES



MATERIAL OPTIONS	CONNECTION TYPE	ACTUATOR FEATURES
<ul style="list-style-type: none">• U-PVC• C-PVC• PP-H• PVDF	<ul style="list-style-type: none">MAXIMUM 55°CMAXIMUM 95°CMAXIMUM 95°CMAXIMUM 140°C	<ul style="list-style-type: none">• Socket Solvent Cement (U-PVC, C-PVC),• Threaded End (U-PVC, C-PVC, PP-H, PVDF),• Socket Welded (PP-H - PVDF),• Butt Welded (PP-H - PVDF),• Flanged <ul style="list-style-type: none">• 24V DC, 24V AC/DC, 220V AC, 110V AC power supply options,• Proportional control with a choice of 4-20 mA,• Type possibility of manual intervention when the power cut

FE SERIES

HAND LEVER ECONOMICAL TYPE BUTTERFLY VALVES

TECHNICAL ADVANTAGES

- 1½" ~ 8" (DN 40 ~ DN200) sizes,
- Bi-directional centric butterfly valve,
- DN40 ~ DN50 : PN16, DN65 ~ DN200 : PN10 (with water at 20°C) nominal pressures,
- EN ISO 1452, EN ISO 15493, DIN 2501, ISO 7005-1, EN 1092-1, ASTM B16.5 Cl.150 flanging standards,
- EN ISO 16136, EN ISO 1452, EN ISO 15493 construction criteria,
- ISO 9393 test methods and requirements,
- ISO 5211 actuator couplings,
- PVC-U disk and body,
- Zinc plated carbon steel (C45). On request Stainless Steel AISI 316 stem,
- Liner; EPDM, FKM. On request NBR seal material,
- Hand Lever Operated, Gearbox, Pneumatic Actuated, Electric Actuated Control Options,
- The wafer valve can be transformed into a one-way Lug body valve thanks to the set of zinc plated steel inserts available as an optional extra



MATERIAL OPTIONS	CONNECTION TYPE	TECHNICAL DRAWING
• U-PVC	MAXIMUM 55°C • Wafer type butterfly valve, • Wafer type butterfly valve with flanged set	A technical drawing of the butterfly valve, showing its internal components and the lever handle.

TECHNICAL ADVANTAGES

- 1½" ~ 8" [DN 40 ~ DN200] sizes,
- Bi-directional centric butterfly valve,
- DN40 ~ DN50 : PN16, DN65 ~ DN200 : PN10 (with water at 20°C) nominal pressures,
- EN ISO 1452, EN ISO 15493, DIN 2501, ISO 7005-1, EN 1092-1, ASTM B16.5 Cl.150 flanging standards,
- EN ISO 16136, EN ISO 1452, EN ISO 15493 construction criteria,
- ISO 9393 test methods and requirements,
- ISO 5211 actuator couplings,
- PVC-U disk and body,
- Zinc plated carbon steel (C45). On request Stainless Steel AISI 316 stem,
- Liner; EPDM, FKM. On request NBR seal material,
- The wafer valve can be transformed into a one-way Lug body valve thanks to the set of zinc plated steel inserts available as an optional extra

FE SERIES

PNEUMATIC ACTUATED ECONOMICAL TYPE BUTTERFLY VALVES



MATERIAL OPTIONS	CONNECTION TYPE	ACTUATOR FEATURES
• U-PVC	MAXIMUM 55°C	<ul style="list-style-type: none">• Wafer type butterfly valve,• Wafer type butterfly valve with flanged set <ul style="list-style-type: none">• Aluminum extruded body,• Double acting or single acting (spring return) pneumatic actuator options,• Optional on / off switch box with mechanical or proximity limit,• optional with NAMUR valve type air direction,• 3-15 psi or proportional control with a choice of 4-20 mA or 3-15 psi.

FE SERIES

ELECTRICAL ACTUATED ECONOMICAL TYPE BUTTERFLY VALVES

TECHNICAL ADVANTAGES

- 1½" ~ 8" [DN 40 ~ DN200] sizes,
- Bi-directional centric butterfly valve,
- DN40 ~ DN50 : PN16, DN65 ~ DN200 : PN10 [with water at 20°C] nominal pressures,
- EN ISO 1452, EN ISO 15493, DIN 2501, ISO 7005-1, EN 1092-1, ASTM B16.5 Cl.150 flanging standards,
- EN ISO 16136, EN ISO 1452, EN ISO 15493 construction criteria,
- ISO 9393 test methods and requirements,
- ISO 5211 actuator couplings,
- PVC-U disk and body,
- Zinc plated carbon steel (C45). On request Stainless Steel AISI 316 stem,
- Liner: EPDM, FKM. On request NBR seal material,
- The wafer valve can be transformed into a one-way Lug body valve thanks to the set of zinc plated steel inserts available as an optional extra



MATERIAL OPTIONS	CONNECTION TYPE	ACTUATOR FEATURES
• U-PVC	MAXIMUM 55°C	<ul style="list-style-type: none">• Wafer type butterfly valve,• Wafer type butterfly valve with flanged set <ul style="list-style-type: none">• 24V DC, 24V AC/DC, 220V AC, 110V AC power supply options,• Proportional control with a choice of 4-20 mA,• Type possibility of manual intervention when the power cut

TECHNICAL ADVANTAGES

- 1½" ~ 16" (DN 40 ~ DN400) sizes,
- Bi-directional centric butterfly valve,
- EN ISO 1452, EN ISO 15493, DIN 2501, ISO 7005-1, EN 1092-1, ASTM B16.5 CL.150 flanging standards,
- EN ISO 16136, EN ISO 1452, EN ISO 15493 construction criteria,
- ISO 9393 test methods and requirements,
- ISO 5211 actuator couplings,
- PP-GR (Polypropylene - Glass Reinforced) body,
- PVC-U/PVC-C/PP-H/PVDF disk,
- Stainless Steel AISI 316 stem,
- Liner; EPDM, FKM. On request NBR seal material,
- Hand Lever Operated (DN40 ~ DN200); Gearbox, Pneumatic Actuated, Electric Actuated Control Options

FK SERIES

HAND LEVER/ GEARBOX INDUSTRIAL TYPE BUTTERFLY VALVES



MATERIAL OPTIONS

• U-PVC	MAXIMUM 55°C
• C-PVC	MAXIMUM 95°C
• PP-H	MAXIMUM 95°C
• PVDF	MAXIMUM 140°C

CONNECTION TYPE

- Wafer type butterfly valve,
- Wafer type butterfly valve with flanged set,
- Lug type butterfly valve,
- Lug type butterfly valve with flanged set

TECHNICAL DRAWING



FK SERIES

PNEUMATIC ACTUATED INDUSTRIAL TYPE BUTTERFLY VALVES

TECHNICAL ADVANTAGES

- 1½" ~ 16" (DN 40 ~ DN400) sizes,
- Bi-directional centric butterfly valve,
- EN ISO 1452, EN ISO 15493, DIN 2501, ISO 7005-1, EN 1092-1, ASTM B16.5 CL.150 flanging standards,
- EN ISO 16136, EN ISO 1452, EN ISO 15493 construction criteria,
- ISO 9393 test methods and requirements,
- ISO 5211 actuator couplings,
- PP-GR (Polypropylene - Glass Reinforced) body,
- PVC-U/PVC-C/PP-H/PVDF disk,
- Stainless Steel AISI 316 stem,
- Liner; EPDM, FKM. On request NBR seal material,
- Hand Lever Operated (DN40 ~ DN200); Gearbox, Pneumatic Actuated, Electric Actuated Control Options,
- Developed for heavy industrial application special rigid design



MATERIAL OPTIONS	CONNECTION TYPE	ACTUATOR FEATURES
• U-PVC	MAXIMUM 55°C	• Wafer type butterfly valve,
• C-PVC	MAXIMUM 95°C	• Wafer type butterfly valve with flanged set,
• PP-H	MAXIMUM 95°C	• Lug type butterfly valve,
• PVDF	MAXIMUM 140°C	• Lug type butterfly valve with flanged set,
		• Aluminum extruded body,
		• Double acting or single acting (spring return) pneumatic actuator options,
		• Optional on / off switch box with mechanical or proximity limit,
		• optional with NAMUR valve type air direction,
		• 3-15 psi or proportional control with a choice of 4-20 mA or 3-15 psi.

TECHNICAL ADVANTAGES

- 1½" ~ 16" (DN 40 ~ DN400) sizes,
- Bi-directional centric butterfly valve,
- EN ISO 1452, EN ISO 15493, DIN 2501, ISO 7005-1, EN 1092-1, ASTM B16.5 Cl.150 flanging standards,
- EN ISO 16136, EN ISO 1452, EN ISO 15493 construction criteria,
- ISO 9393 test methods and requirements,
- ISO 5211 actuator couplings,
- PP-GR (Polypropylene - Glass Reinforced) body,
- PVC-U/PVC-C/PP-H/PVDF disk,
- Stainless Steel AISI 316 stem,
- Liner; EPDM, FKM. On request NBR seal material,
- Hand Lever Operated (DN40 ~ DN200); Gearbox, Pneumatic Actuated, Electric Actuated Control Options

FK SERIES

ELECTRICAL ACTUATED INDUSTRIAL TYPE BUTTERFLY VALVES



MATERIAL OPTIONS

- U-PVC
- C-PVC
- PP-H
- PVDF

CONNECTION TYPE

- MAXIMUM 55°C
- MAXIMUM 95°C
- MAXIMUM 95°C
- MAXIMUM 140°C

ACTUATOR FEATURES

- 24V DC, 24V AC/DC, 220V AC, 110V AC power supply options,
- Proportional control with a choice of 4-20 mA,
- Type possibility of manual intervention when the power cut

DK SERIES

INDUSTRIAL TYPE DIAPHRAGM VALVES

TECHNICAL ADVANTAGES

- 1/2" ~ 2 1/2" (DN15 ~ DN65) sizes,
- Diaphragm valve with maximized flow rate and DIALOCK® lockable handwheel,
- PN 10 (with water at 20°C) nominal pressure,
- U-PVC / C-PVC / PP-H / PVDF body,
- PP-GR bonnet and handwheel,
- PVC position indicator cap,
- EPDM, FKM, PTFE (on request NBR) diaphragm material,
- Manual Control, Pneumatic Actuated Control Options,
- Optimised fluid dynamic design: maximum output flow rate thanks to the optimised efficiency of the fluid dynamics that characterise the new internal geometry of the body,
- Internal components in metal, totally isolated from the fluid and external environment



MATERIAL OPTIONS	CONNECTION TYPE	APPLICATION AREA	
<ul style="list-style-type: none">• U-PVC• C-PVC• PP-H• PVDF	<ul style="list-style-type: none">MAXIMUM 55°CMAXIMUM 95°CMAXIMUM 95°CMAXIMUM 140°C	<ul style="list-style-type: none">• Socket Solvent Cement (U-PVC, C-PVC),• Threaded End (U-PVC, C-PVC, PP-H, PVDF),• Socket Welded (PP-H - PVDF),• Flanged (U-PVC, C-PVC, PP-H, PVDF),• Butt Welded (PP-H - PVDF)	<ul style="list-style-type: none">• Chemical and Petrochemical Industry,• Water and Process Technologies,• In the Shipbuilding and Yacht Industry,• Electrolysis Premises,• Mining Industry,• Food Industry,• Cooling Systems,• Coating Plant

TECHNICAL ADVANTAGES

- 3" ~ 4" [DN80 ~ DN100] sizes,
- Diaphragm valve with maximized flow rate and DIALOCK® lockable handwheel / Single wear diaphragm valve construction,
- PN10 with water at 20°C, PN6 with water at 20°C (PTFE Version) nominal pressure,
- U-PVC / C-PVC / PP-H / PVDF body,
- PP-GR bonnet and handwheel,
- PA-GR position indicator cap,
- EPDM, FKM, PTFE (on request NBR) diaphragm material,
- Manual Control, Pneumatic Actuated Control Options,
- Optimised fluid dynamic design: maximum output flow rate thanks to the optimised efficiency of the fluid dynamics that characterise the new internal geometry of the body,
- Internal operating components in metal totally isolated from the conveyed fluid

VM SERIES

INDUSTRIAL TYPE DIAPHRAGM VALVES



MATERIAL OPTIONS

• U-PVC	MAXIMUM 55°C
• C-PVC	MAXIMUM 95°C
• PP-H	MAXIMUM 95°C
• PVDF	MAXIMUM 140°C

CONNECTION TYPE

- Flanged (U-PVC, C-PVC, PP-H, PVDF),
- Socket Solvent Cement (U-PVC, C-PVC),
- Socket Welded (PP-H and PVDF)

TECHNICAL DRAWING



DK SERIES

PNEUMATIC ACTUATED DIAPHRAGM VALVES

TECHNICAL ADVANTAGES

- 1/2" ~ 4" (DN15 ~ DN100) sizes,
- Drinking water standards,
- EPDM, FKM or PTFE (on request NBR) diaphragm material options,
- CaCO₃ calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed with rigid construction for heavy industrial applications,
- 100% tightness testing before shipment,
- Working pressure Max: 10 Bar,
- DIN, ANSI, JIS norms



MATERIAL OPTIONS	CONNECTION TYPE	ACTUATOR FEATURES
<ul style="list-style-type: none">• U-PVC• C-PVC• PP-H• PVDF	<ul style="list-style-type: none">MAXIMUM 55°CMAXIMUM 95°CMAXIMUM 95°CMAXIMUM 140°C	<ul style="list-style-type: none">• Socket Solvent Cement (U-PVC, C-PVC),• Threaded End (U-PVC, C-PVC, PP-H, PVDF),• Socket Welded (PP-H - PVDF),• Flanged (U-PVC, C-PVC, PP-H, PVDF),• Butt Welded (PP-H - PVDF) <ul style="list-style-type: none">• Double acting or single acting (spring return) pneumatic actuator options,• Optional on / off switch box with mechanical or proximity limit,• Optional with air solenoid valve,• Proportional control with a choice of 4-20 mA or 3-15 psi

TECHNICAL ADVANTAGES

- ½" - 1½" sizes (for U-PVC, PP-H, PVDF),
½" - 2" sizes (AISI316L),
- Diaphragm type pressure control valves,
- Back pressure and Pressure Relief valve options in dosing systems,
- PTFE diaphragm high corrosion resistance,
- U-PVC, PP-H, PVDF and AISI316L material options for all kinds of corrosive fluids,
- Adjustable set pressure range between 1-10 bar,
- High flow capacity and low pressure loss

SV420 SERIES

PRESSURE CONTROL VALVES



MATERIAL OPTIONS	CONNECTION TYPE	TECHNICAL DRAWING
<ul style="list-style-type: none">• U-PVC• C-PVC• PP-PVDF• AISI316L	<ul style="list-style-type: none">MAXIMUM 55°CMAXIMUM 95°CMAXIMUM 140°C <ul style="list-style-type: none">• Socket Solvent Cement (U-PVC),• Threaded End (U-PVC, PP-H, PVDF, SS316L),• Socket Welded (PP-H and PVDF)	

SV610 SERIES

DOUBLE UNION INDUSTRIAL TYPE BALL CHECK VALVES

TECHNICAL ADVANTAGES

- 1/2" ~ 2" sizes,
- Drinking water standards,
- CaCO₃ calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- Can be assembled vertically or horizontally,
- Water applications EPDM O-ring, Acidic applications VITON O-ring alternatives,
- 100% tightness testing before shipment,
- Working pressure Max: 10 Bar,
- DIN, ANSI, JIS norms



MATERIAL OPTIONS	CONNECTION TYPE	TECHNICAL DRAWING
<ul style="list-style-type: none">• U-PVC• C-PVC• PP-H• PVDF• TRANSPARENT-PVC	<ul style="list-style-type: none">MAXIMUM 55°CMAXIMUM 95°CMAXIMUM 95°CMAXIMUM 140°CMAXIMUM 55°C	<ul style="list-style-type: none">• Socket Solvent Cement (U-PVC, C-PVC),• Threaded End (U-PVC, C-PVC),• Socket Welded (PP-H)  <ul style="list-style-type: none">1. Union-end plane after turning to ensure a more reliable flatness2. Increase the nut-solid, thread taper and laps, improved pressure-resistant3. Thickening O-ring, more toughness, sealing better4. Seat is designed to fix the sealing performance5. From the platform to the half-ball sealing, more reliable performance, sealing pressure levels increased (0.5kg-10kg), and it can easy to install by horizontal or vertical6. In the ribs from three to six, making better diversion

TECHNICAL ADVANTAGES

- 2½" ~ 8" (DN65 ~ DN200) Size Options,
- Drinking water standards,
- CaCO₃ calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- Can be assembled vertically or horizontally,
- Water applications EPDM O-ring, Acidic applications VITON O-ring alternatives,
- 100% tightness testing before shipment,
- Working pressure Max: 10 Bar,
- DIN, ANSI, JIS norms

SV620 SERIES

INDUSTRIAL TYPE SINGLE TYPE SWING CHECK VALVES



MATERIAL OPTIONS

• U-PVC
• C-PVC

MAXIMUM 55°C
MAXIMUM 95°C

CONNECTION TYPE

• Solvent Cement

TECHNICAL DRAWING



1.In particular increase the thickness at the end of body for impact resistance strength when suddenly open
2.Two plane and the O-ring grooves are by machining, to ensure the combination of surface formation, better sealing
3.Improved design on valve rib, at the bottom to reduce weight and greatly increased due to water hammer valve impact resistance and strength
4.The abolition of the metal shaft, all to switch to all-in-one plastic structure, increased corrosion resistance
5.Buckle fixed valve petal, the elimination of the original way, replacing the two columns of fixed processing errors, and increase the opening angle to reduce the flow resistance
6.Sealing surface design is tilted 10 degrees, so that it also can use at the level of the installation
7.Lock 8 screws the upper and lower body more closely and firmly, under the water hammer, it is difficult deformation, better sealing

SV630 SERIES

SINGLE UNION INDUSTRIAL TYPE FOOT VALVES

TECHNICAL ADVANTAGES

- 2½" ~ 8" (DN65 ~ DN200) Size Options,
- Drinking water standards,
- CaCO₃ calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- Can be assembled vertically or horizontally,
- Water applications EPDM O-ring, Acidic applications VITON O-ring alternatives,
- 100% tightness testing before shipment,
- Working pressure Max: 10 Bar,
- DIN, ANSI, JIS norms



MATERIAL OPTIONS	CONNECTION TYPE	TECHNICAL DRAWING
<ul style="list-style-type: none">• U-PVC• C-PVC• PP-H• PVDF• TRANSPARENT-PVC	<ul style="list-style-type: none">MAXIMUM 55°CMAXIMUM 95°CMAXIMUM 95°CMAXIMUM 140°CMAXIMUM 55°C <ul style="list-style-type: none">• Solvent Cement	 <ul style="list-style-type: none">1.Bonnet can prevent massive objects entering into foot valve2.Increase the nut-solid, thread taper and laps, improved pressure resistant3.Seat is designed to fix the sealing performance4.Thickening O-ring, more toughness, sealing better5.Seat is designed to fix the seal6.From the platform to half-ball sealing, more reliable performance, sealing pressure levels increased (0.5kg-10kg), and it can easy to install by horizontal or vertical7.In the ribs from three to six, making better diversion

TECHNICAL ADVANTAGES

- 1½" ~ 12" [DN40 ~ DN300] Size Options,
- Drinking water standards,
- CaCO3 calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- Can be assembled vertically or horizontally,
- 100% tightness testing before shipment,
- Working pressure Max: 10 Bar

CR SERIES

WAFER TYPE SWING CHECK VALVES



MATERIAL OPTIONS	CONNECTION TYPE	TECHNICAL DRAWING
<ul style="list-style-type: none"> • U-PVC 	<p>MAXIMUM 55°C</p> <ul style="list-style-type: none"> • Wafer Type (Assembled between two flanged) 	

RV SERIES

Y-TYPE STAINER

TECHNICAL ADVANTAGES

- " $\frac{3}{8}$ ~ 4" (DN10 ~ DN100) sizes,
- Drinking water standards,
- CaCO₃ calcite free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- 100% tightness testing before shipment,
- Working pressure Max: 10 Bar,
- DIN, ANSI, JIS Norms



MATERIAL OPTIONS	CONNECTION TYPE	TECHNICAL DRAWING
<ul style="list-style-type: none">• U-PVC• C-PVC• PP-H	<ul style="list-style-type: none">MAXIMUM 55°CMAXIMUM 95°CMAXIMUM 95°C <ul style="list-style-type: none">• Solvent Cement (U-PVC, C-PVC),• Threaded End (U-PVC, C-PVC, PP-H, PVDF),• Socket Welded (PP-H - PVDF),• Flanged (U-PVC, C-PVC, PP-H, PVDF),• Butt Welded (PP-H - PVDF)	A technical line drawing of the Y-strainer. It shows the three-way Y-shape with various dimensions labeled: overall height (H), overall width (W), and various internal and external diameters (D1, D2, D3, D4). The drawing also indicates the direction of flow and the orientation of the strainer.

TECHNICAL ADVANTAGES

- S12 Series DN4, DN6, DN8 sizes,
- S22 Series DN8, DN10, DN15 sizes,
- 2/2 and 3/2 working alternative,
- Drinking water standards,
- IP65 protection class,
- EPDM or VITON diaphragm options,
- Corrosion resistance materials

S22 SERIES

2/2 U-PVC SOLENOID VALVES



MATERIAL OPTIONS

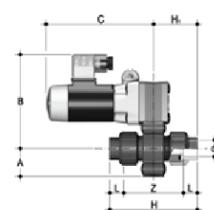
• U-PVC

MAXIMUM 55°C

CONNECTION TYPE

• Solvent Cement

TECHNICAL DRAWING



SV930 SERIES

U-PVC PIPE AND FITTINGS

TECHNICAL ADVANTAGES

- 1/2" ~ 12" size options,
- Heat and electrical insulation,
- Transporting/handling and mounting easily because of the lightness,
- Low coefficient of friction,
- Acid and alkaline fluid resistant,
- 55°C max working temperature,
- 16 bar Max working pressure,
- DIN, ANSI, JIS norms



TECHNICAL ADVANTAGES

- 1/2" ~ 24" size options,
- Socket welded and butt welded options,
- Heat and electrical insulation,
- Transporting/handling and mounting easily because of the lightness,
- Low coefficient of friction,
- Acid and alkaline fluid resistant,
- 95°C max working temperature,
- 6/10 bar Max working pressure,
- DIN, ANSI, JIS norms

SV930 SERIES

PP-H PIPE AND FITTINGS



SV930 SERIES

PVDF PIPE AND FITTINGS

TECHNICAL ADVANTAGES

- 1/2" ~ 12" size options,
- Heat and electrical insulation,
- Transporting/handling and mounting easily because of the lightness,
- Low coefficient of friction,
- Acid and alkaline fluid resistant,
- 140°C max working temperature,
- 10/16 bar Max working pressure,
- DIN, ANSI, JIS norms



TECHNICAL ADVANTAGES

- 1/2" ~ 12" size options,
- Heat and electrical insulation,
- Transporting/handling and mounting easily because of the lightness,
- Low coefficient of friction,
- Acid and alkaline fluid resistant,
- 95°C max working temperature,
- 10/16 bar Max working pressure,
- DIN, ANSI, JIS norms

SV930 SERIES

C-PVC PIPE AND FITTINGS



SV930 SERIES

CLEAR PVC PIPE AND FITTINGS

TECHNICAL ADVANTAGES

- 1/2" ~ 8" size options,
- When you need to visually monitor whatever is passing through the piping systems,
- Heat and electrical insulation,
- Transporting/handling and mounting easily because of the lightness,
- Low coefficient of friction,
- Acid and alkaline fluid resistant,
- 55°C max working temperature,
- 10 and 16 bar Max working pressure,
- DIN, ANSI, JIS norms



TECHNICAL ADVANTAGES

- R^{3/8} -R12" [DN10 ~ DN300] Sizes,
- Lightweight and easy to install,
- Wide operating temperature -40°C to +60°C,
- Working pressure max: PN16,
- 50- year design life,
- Corrosion and impact resistant,
- Low thermal conductivity helps to reduce "temperature loss,
- Fully matched range of pipe, fittings and valves,
- Full WRAS approval

SV930 SERIES

ABS PIPE AND FITTINGS





PFA / PTFE (TEFLON) LINED PRODUCTS



SV350 SERIES

PTFE (TEFLON) LINED BUTTERFLY VALVES

TECHNICAL ADVANTAGES

- DN40 ~ DN1600 sizes,
- Provides high corrosion resistance, especially against hydrochloric, nitric, and sulfuric acids,
- Wafer type, lug type and double flanges body options,
- Ductile iron / steel cast body more rigid opportunity to work,
- Min. 3 mm PTFE (Teflon) lined on stainless steel disc,
- With widely seat pressing surface, better tightness and easily mounting,
- With two piece body design, easily maintenance,
- 100% tightness testing before shipment



MATERIAL OPTIONS	CONTROL OPTIONS	APPLICATION AREA
<ul style="list-style-type: none">• Body; GG40 Ductile Iron, WCB Carbon Steel, AISI 304 Stainless Steel, AISI 316 Stainless Steel• Disc; AISI 316 Stainless Steel or Min.3mm PTFE (Teflon) coated AISI 304 Stainless Steel	<ul style="list-style-type: none">• Gear box or with lever handle control,• ISO 5211 Top Flange,• On / Off or Proportional Control, Single or Double Acting Pneumatic Actuator,• On / Off or Proportional Control, 24V DC, 24V AC/DC, 220V AC,110V AC Electric Actuator	<ul style="list-style-type: none">• Chemical and Petrochemical Industry,• Chlor - Alkali Plant,• Hydrochloric / sulfuric acid etc. and corrosive applications,• Fertilizer Factory,• Mining Industry,• Sugar Process,• Ship Industry

TECHNICAL ADVANTAGES

- DN15 ~ DN300 sizes,
- Provides high corrosion resistance, especially against hydrochloric, nitric, and sulfuric acids,
- With steel cast body more rigid opportunity to work,
- 3mm PFA (Teflon) lined,
- 100% tightness testing before shipment

SV460 SERIES

PFA (TEFLON) LINED DIAPHRAGM VALVES



MATERIAL OPTIONS	CONTROL OPTIONS	APPLICATION AREA
<ul style="list-style-type: none">• Body: WCB Carbon Steel, AISI 304 Stainless Steel, AISI 316 Stainless Steel• Lining: PFA, FEP, POM• Diaphragm: PFA, FEP	<ul style="list-style-type: none">• Manual Handwheel,• On / Off and Proportional Control, Single or Double Acting Pneumatic Actuator	<ul style="list-style-type: none">• Chemical and Petrochemical Industry,• Chlor - Alkali Plant,• Hydrochloric / sulfuric acid etc. and corrosive applications,• Fertilizer Factory,• Mining Industry,• Sugar Process,• Ship Industry

SV260 SERIES

PFA (TEFLON) LINED PLUG VALVES

TECHNICAL ADVANTAGES

- DN50 ~ DN300 sizes,
- Provides high corrosion resistance, especially against hydrochloric, nitric, and sulfuric acids,
- With steel cast body more rigid opportunity to work,
- 3mm PFA (Teflon) lined,
- 100% tightness testing before shipment



MATERIAL OPTIONS	CONTROL OPTIONS	APPLICATION AREA
<ul style="list-style-type: none">• Body: WCB Carbon Steel, AISI 304 Stainless Steel, AISI 316 Stainless Steel• Lining: Min.3mm PFA, FEP, POM• Plug: Min.3mm Lined Carbon Steel, AISI 304 Stainless Steel, AISI 316 Stainless Steel	<ul style="list-style-type: none">• Gear box or with lever handle manual control,• ISO5211 Direct actuator mounting mount pad,• On / Off and Proportional Control, Single or Double Acting Pneumatic Actuator,• On / Off or Proportional Control, 24V DC, 24V AC/DC, 220V AC,110V AC Electric Actuator	<ul style="list-style-type: none">• Chemical and Petrochemical Industry,• Chlor - Alkali Plant,• Hydrochloric / sulfuric acid etc. and corrosive applications,• Fertilizer Factory,• Mining Industry,• Sugar Process,• Ship Industry

SV250 SERIES

PTFE (TEFLON) LINED BALL VALVES

TECHNICAL ADVANTAGES

- DN15 ~ DN350 sizes,
- Provides high corrosion resistance, especially against hydrochloric, nitric, and sulfuric acids,
- Min. 3mm PFA (Teflon) lined,
- Carbon steel or stainless steel body material options,
- Friction and wear-resistant PTFE (Teflon) ball seals,
- 100% tightness testing before shipment



MATERIAL OPTIONS	CONTROL OPTIONS	APPLICATION AREA
<ul style="list-style-type: none">• Body: WCB Carbon Steel, AISI 316 Stainless Steel, AISI 316 Stainless Steel• Lining: PFA, FEP, POM	<ul style="list-style-type: none">• Gear box or with lever handle control,• ISO 5211 Top Flange,• On / Off or Proportional Control, Single or Double Acting Pneumatic Actuator,• On / Off or Proportional Control, 24V DC, 24V AC/DC, 220V AC, 110V AC Electric Actuator	<ul style="list-style-type: none">• Chemical and Petrochemical Industry,• Chlor - Alkali Plant,• Hydrochloric / sulfuric acid etc. and corrosive applications,• Fertilizer Factory,• Mining Industry,• Sugar Process,• Ship Industry

TECHNICAL ADVANTAGES

- 1/2" ~ 16" (DN15 ~ DN400) Size Options ,
- SV656 Series (Flanged Type Swing Check Valve), SV664 Series (Flanged Type Ball Check Valve),
- Provides high corrosion resistance, especially hydrochloric acid, nitric acid, liquid chlorine, sulfuric acid etc.
- 3mm PFA (Teflon) lined,
- Carbon steel and stainless steel body options,
- 100% tightness test before shipment

SV656/664 SERIES

PFA (TEFLON) LINED CHECK VALVES



MATERIAL OPTIONS	CONTROL OPTIONS	APPLICATION AREA
<ul style="list-style-type: none">• Body: WCB Carbon Steel, AISI 304 Stainless Steel, AISI 316 Stainless Steel• Lining: min 3mm PFA(Teflon) Lined, FEP, POM• Plug: Min3.mm Lined Carbon Steel, AISI 304 Stainless Steel, AISI 316 Stainless Steel	<ul style="list-style-type: none">• Design Standards API 6D• Face to Face ASME B16.10• Flange Standards ASME B16.5, JISB2220	<ul style="list-style-type: none">• Chemical and Petrochemical Industry,• Chlor - Alkali Plant,• Hydrochloric / sulfuric acid etc. and corrosive applications,• Fertilizer Factory,• Mining Industry,• Sugar Process,• Ship Industry

TECHNICAL ADVANTAGES

- DN25 ~ DN600 sizes,
- Provides high corrosion resistance, especially against hydrochloric, nitric, and sulfuric acids,
- Expansion joints can be with three convolutions as a standard. More than three convolutions can be customized,
- 100% tightness testing before shipment

SV910 SERIES

PFA (TEFLON) EXPANSION JOINT



MATERIAL OPTIONS

- **Flange:**
A105 Carbon Steel,
AISI 304 Stainless Steel,
AISI 316 Stainless Steel,
AISI 316L Stainless Steel

- **Bellows:** Min.3mm PTFE (TEFLON)

CONNECTION TYPE OPTIONS

- Flanged

APPLICATION AREA

- Chemical and Petrochemical Industry,
- Chlor - Alkali Plant,
- Hydrochloric / sulfuric acid etc. and corrosive applications,
- Fertilizer Factory,
- Mining Industry,
- Sugar Process,
- Ship Industry

SV930 SERIES

PTFE / PFA (TEFLON) LINED PIPE AND FITTINGS

TECHNICAL ADVANTAGES

- DN25 ~ DN300 size options,
- Pipe length; $L \leq 6.000\text{mm}$, Dimension $\leq \text{DN}150$
- $L \leq 4.000\text{mm}$, Measuring $> \text{DN}150$
- Strong acids, alkalis, organic solvents, flammable and toxic fluid resistant,
- 200°C max working temperature,
- 16 bar Max working pressure,
- DIN, ANSI, JIS Norms







METAL VALVES



SV320 SERIES

HAND LEVER WAFER TYPE BUTTERFLY VALVES

TECHNICAL ADVANTAGES

- 1" - 24" (DN25 - DN600) size options ,
- Specially designed with rigid construction for heavy industrial applications,
- According to type of fluid wide seat options (EPDM, Viton, Silicon, NBR, Neoprene (CR), Hypalon)
- -20°C ~ 204°C working temperature sealing option,
- ISO5211 according to directly assembled actuators top flanged,
- Lower open/close torque,
- 16 bar Max working pressure,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS norms



APPLICATION AREA	DESIGN STANDARDS
<ul style="list-style-type: none">• Chemical and Petrochemical Industry,• Water and Process Technologies,• In the Shipbuilding and Yacht Industry,• Mining Industry,• Food Industry,• Heating-Cooling System	<ul style="list-style-type: none">• Design Standards EN 558 Series 20 (DIN 3202 T3 K1), ISO 5752 Series 20, API 60 Table, BC 5155 Series 4• Pressure Difference MAX. 16 Bar <ul style="list-style-type: none">• Flange Standards DIN 2501 PN/PN10/PN16, ANSI B 16.15 Class 150, AWWA C207, JIS B 2211-5K• Vacuum 0.2 Bar Absolute Pressure <ul style="list-style-type: none">• Sealing Standards ISO5208, Category-3, API 598 Table-5, ANSI B 16.15 Class 150• Ex-proof Class ATEX 94/9 EC Group II, Category 2 GD <ul style="list-style-type: none">• Top Flange Standard ISO5211• Operating Pressure MAX. 16 Bar• ABS Certification ABS 1-1-7/7, 4-62-/5.11

TECHNICAL ADVANTAGES

- 1" - 24" (DN25 - DN600) size options,
- Specially designed with rigid construction for heavy industrial applications,
- According to type of fluid wide seat options (EPDM, Viton, Silicon, NBR, Neoprene (CR), Hypalon),
- -20°C ~ 204°C working temperature sealing option,
- ISO5211 according to directly assembled actuators top flanged,
- Lower open/close torque,
- 16 bar Max working pressure,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS norms

SV320 SERIES

PNEUMATIC ACTUATED WAFER TYPE BUTTERFLY VALVES



ACTUATOR FEATURES	DESIGN STANDARDS
<ul style="list-style-type: none">• Aluminum extruded body,• Double acting or single acting (spring return) pneumatic actuator options,• Optional on / off switch box with mechanical or proximity limit,• Optional with NAMUR valve type air direction,• 3-15 psi or proportional control with a choice of 4-20 mA	<ul style="list-style-type: none">• Design Standards EN 558 Series 20 (DIN 3202 T3 K1), DIN 2501 PN/PN10/PN16, ISO 5752 Series 20, API 60 Table, BC 5155 Series 4• Pressure Difference MAX. 16 Bar• Flange Standards ANSI B 16.15 Class 150, AWWA C207, JIS B 2211-5K• Vacuum 0.2 Bar Absolute Pressure• Sealing Standards ISO5208, Category-3, API 598 Table-5, ANSI B 16.15 Class 150• Ex-proof Class ATEX 94/9 EC Group II, Category 2 GD• Top Flange Standard ISO5211• Operating Pressure MAX. 16 Bar• ABS Certification ABS 1-1-7/7, 4-62-/5.11

SV320 SERIES

ELECTRICAL ACTUATED WAFER TYPE BUTTERFLY VALVES

TECHNICAL ADVANTAGES

- 1" - 24" (DN25 - DN600) size options,
- Specially rigid designed for heavy industrial applications,
- According to type of fluid wide seat options (EPDM, Viton, Silicon, NBR, Neoprene (CR), Hypalon),
- -20°C ~ 204°C working temperature sealing option,
- ISO5211 according to directly assembled actuators top flanged,
- Lower open/close torque,
- 16 bar Max working pressure,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS norms



ACTUATOR FEATURES

DESIGN STANDARDS

- 24V DC, 24V AC/DC, 220V AC, 110V AC power supply options,
- Proportional control with a choice of 4-20 mA,
- Type possibility of manual intervention when the power cut

• Design Standards

- EN 558 Series 20 (DIN 3202 T3 K1),
- ISO 5752 Series 20,
- API 60 Table,
- BC 5155 Series 4

• Pressure Difference

- MAX. 16 Bar

• Flange Standards

- DIN 2501 PN/PN10/PN16,
- ANSI B 16.15 Class 150,
- AWWA C207,
- JIS B 2211-5K

• Vacuum

- 0.2 Bar Absolute Pressure

• Sealing Standards

- ISO5208,
- Category-3,
- API 598 Table-5,
- ANSI B 16.15 Class 150

• Ex-proof Class

- ATEX 94/9 EC Group II,

- Category 2 GD

• Top Flange Standard

- ISO5211

• Operating Pressure

- MAX. 16 Bar

• ABS Certification

- ABS 1-1-7/7,

- 4-62-/5.11

TECHNICAL ADVANTAGES

- 1" - 24" (DN25 - DN600) size options,
- According to type of fluid wide seat options (EPDM, Viton, Silicon, NBR),
- -20 °C ~ 204 °C working temperature sealing option,
- ISO5211 according to directly assembled actuators top flanged,
- Lower open/close torque,
- Manual , Pneumatic Actuated and Electrical Actuated control options,
- 16 bar max. working pressure,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS norms

SV380 SERIES

WAFER TYPE BUTTERFLY VALVES



APPLICATION AREA

DESIGN STANDARDS

- Chemical and Petrochemical Industry,
- Water and Process Technologies,
- In the Shipbuilding and Yacht Industry,
- Mining Industry,
- Food Industry,
- HVAC

- **Design Standards**
EN93 Series 20,
EN 1092,
API609 Table 1,
BS5155 Series 4
ISO5211

- **Face to Face**
DIN558-1,
API609,
DIN3202,
ISO5752,
BS5155

- **Flange Standards**
DIN2501 PN6/PN10/PN16,
ANSI B16.15 Class150

- **Leakage Class**
ISO05208Category 3,
API 598 Table 5,
EN12266-1,
Class-6

SV330 SERIES

HAND LEVER LUG TYPE BUTTERFLY VALVES

TECHNICAL ADVANTAGES

- 1½" ~ 24" (DN40 ~ DN600) Size Options,
- Specially designed with rigid construction for heavy industrial applications,
- According to type of fluid wide seat options (EPDM, Viton, Silicon, NBR, Neoprene (CR), Hypalon),
- -20°C ~ 204°C working temperature sealing option,
- ISO5211 according to directly assembled actuators top flanged,
- Lower open/close torque,
- 16 bar Max working pressure,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS norms



APPLICATION AREA	DESIGN STANDARDS			
<ul style="list-style-type: none">• Chemical and Petrochemical Industry,• Water and Process Technologies,• In the Shipbuilding and Yacht Industry,• Mining Industry,• Food Industry,• Heating-Cooling System	<ul style="list-style-type: none">• Design Standards EN 558 Series 20 (DIN 3202 T3 K1), ISO 5752 Series 20, API 609 Table 1, BC 5155 Series 4• Top Flange Standard ISO5211	<ul style="list-style-type: none">• Flange Standards DIN 2501 PN/PN10/PN16, ANSI B 16.15 Class 150, AWWA C207, JIS B 2211-5K, JIS B 2212-10K• Pressure Difference MAX. 16 Bar	<ul style="list-style-type: none">• Sealing Standards ISO5208, Category-3, API 598 Table-5, ANSI B 16-104, Class-6• Operating Pressure MAX. 16 Bar	<ul style="list-style-type: none">• Vacuum 0.2 Bar Absolute Pressure• Ex-proof Class ATEX 94/9 EC Group II, Category 2 GD• ABS Certification ABS 1-1-7/7, 4-62-/5.11

TECHNICAL ADVANTAGES

- 1½" ~ 24" (DN40 ~ DN600) Size Options,
- Specially designed with rigid construction for heavy industrial applications,
- According to type of fluid wide seat options (EPDM, Viton, Silicon, NBR, Neoprene (CR), Hypalon),
- -20°C ~ 204°C working temperature sealing option,
- ISO5211 according to directly assembled actuators top flanged,
- Lower open/close torque,
- 16 bar Max working pressure,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS norms

SV330 SERIES

PNEUMATIC ACTUATED LUG TYPE BUTTERFLY VALVES



ACTUATOR FEATURES	DESIGN STANDARDS
<ul style="list-style-type: none">• Aluminum extruded body,• Double acting or single acting (spring return) pneumatic actuator options,• Optional on / off switch box with mechanical or proximity limit,• Optional with NAMUR valve type air direction,• 3-15 psi or proportional control with a choice of 4-20 mA	<ul style="list-style-type: none">• Design Standards EN 558 Series 20 (DIN 3202 T3 K1), ISO 5752 Series 20, API 609 Table 1, BC 5155 Series 4• Top Flange Standard ISO5211 <ul style="list-style-type: none">• Flange Standards DIN 2501 PN/PN10/PN16, ANSI B 16.15 Class 150, AWWA C207, JIS B 2211-5K, JIS B 2212-10K• Pressure Difference MAX. 16 Bar <ul style="list-style-type: none">• Sealing Standards ISO5208, Category-3, API 598 Table-5, ANSI B 16-104, Class-6• Operating Pressure MAX. 16 Bar <ul style="list-style-type: none">• Vacuum 0.2 Bar Absolute Pressure• Ex-proof Class ATEX 94/9 EC Group II, Category 2 GD• ABS Certification ABS 1-1-7/7, 4-62-/5.11

SV330 SERIES

ELECTRICAL ACTUATED WAFER TYPE BUTTERFLY VALVES

TECHNICAL ADVANTAGES

- 1½" ~ 24" (DN40 ~ DN600) Size Options,
- Specially rigid designed for heavy industrial applications,
- According to type of fluid wide seat options (EPDM, Viton, Silicon, NBR, Neoprene (CR), Hypalon),
- -20°C ~ 204°C working temperature sealing option,
- ISO5211 according to directly assembled actuators top flanged,
- Lower open/close torque,
- 16 bar Max working pressure,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS norms



ACTUATOR FEATURES	DESIGN STANDARDS		
<ul style="list-style-type: none">• 24V DC, 24V AC/DC, 220V AC, 110V AC power supply options,• Proportional control with a choice of 4-20 mA,• Type possibility of manual intervention when the power cut	<ul style="list-style-type: none">• Design Standards EN 558 Series 20 (DIN 3202 T3 K1), ISO 5752 Series 20, API 609 Table 1, BC 5155 Series 4• Top Flange Standard ISO5211	<ul style="list-style-type: none">• Flange Standards DIN 2501 PN/PN10/PN16, ANSI B 16.15 Class 150, AWWA C207, JIS B 2211-5K, JIS B 2212-10K• Pressure Difference MAX. 16 Bar	<ul style="list-style-type: none">• Sealing Standards ISO5208, Category-3, API 598 Table-5, ANSI B 16-104, Class-6• Operating Pressure MAX. 16 Bar• Top Vacuum 0.2 Bar Absolute Pressure• Ex-proof Class ATEX 94/9 EC Group II, Category 2 GD• ABS Certification ABS 1-1-7/7, 4-62-/5.11

TECHNICAL ADVANTAGES

- 2" ~ 48" (DN50 ~ DN1200) Size Options ,
- Specially designed with rigid construction for heavy industrial applications,
- Soft Seat (-29 °C ~ 210 °C), Fire Safe Seat (-29 °C ~ 210 °C), Metal Seat (-29 °C ~ 500 °C) Options,
- ISO5211 according to directly assembled actuators top flanged,
- One-Piece shaft design is Blow-Out Proof ATEX according to ATEX 2014/34/EU Group II Category 2 and is equipped with Anti-Static devices,
- DIN, ANSI, JIS norms

SV370 SERIES

WAFER TYPE DOUBLE ECCENTRIC HIGH PERFORMANCE BUTTERFLY VALVES



ACTUATOR FEATURES

- Pneumatic Actuator
 - Aluminum extruded body,
 - Double acting or single acting (spring return) pneumatic actuator options,
 - Optional on / off switch box with mechanical or proximity limit,
 - Optional with NAMUR valve type air direction,
 - 3-15 psi or proportional control with a choice of 4-20 mA

- Electrical Actuator
 - 24V DC, 24V AC/DC, 220V AC 110V AC power supply options,
 - Proportional control with a choice of 4-20 mA,
 - Type possibility of manual intervention when the power cut,

DESIGN STANDARDS

- Design Standards
 - EN 558 Series 20
 - (DIN 3202 T3 K1),
 - ISO 5752 Series 20,
 - API 60 Table,
 - BC 5155 Series 4

- Face to Face
 - API609 A,
 - ISO 5752

- Flange Standards
 - DIN 2501 PN/PN10/PN16,
 - ASME B 16.5 Class 150/300,
 - ASME B 16.47 Class 150/300,
 - JIS B 2211-5K,
 - JIS B 2212- 10K

- Inspection and Testing
 - ISO 5208,
 - API 598,
 - MSS SP-61,
 - MSS SP-68
- Fire Safe
 - API 607

- Leakage Class
 - API 598,
 - EN12266,
 - ISO5208 Catagory-3,
 - ANSI FCI 70-2-2023 Table1 Class VI,IV
 - MSS SP-61
 - MSS SP-68

SV371 SERIES

LUG TYPE DOUBLE ECCENTRIC HING PERFORMANCE BUTTERFLY VALVES

TECHNICAL ADVANTAGES

- 2" ~ 48" (DN50 ~ DN1200) Size Options ,
- Specially designed with rigid construction for heavy industrial applications,
- Soft Seat (-29 °C ~ 210 °C), Fire Safe Seat (-29 °C ~ 210 °C), Metal Seat (-29 °C ~ 500 °C) Options,
- ISO5211 according to directly assembled actuators top flanged,
- One-Piece shaft design is Blow-Out Proof ATEX according to ATEX 2014/34/EU Group II Category 2 and is equipped with Anti-Static devices,
- DIN, ANSI, JIS norms,
- Max. PN50 Pressure Class



ACTUATOR FEATURES

- Pneumatic Actuator
 - Aluminum extruded body,
 - Double acting or single acting (spring return) pneumatic actuator options,
 - Optional on / off switch box with mechanical or proximity limit,
 - Optional with NAMUR valve type air direction,
 - 3-15 psi or proportional control with a choice of 4-20 mA
- Electrical Actuator
 - 24V DC, 24V AC/DC, 220V AC 110V AC power supply options,
 - Proportional control with a choice of 4-20 mA,
 - Type possibility of manual intervention
 - when the power cut,

DESIGN STANDARDS

• Design Standards EN 558 Series 20 (DIN 3202 T3 K1), ISO 5752 Series 20, API 60 Table, BC 5155 Series 4	• Flange Standards DIN 2501 PN/PN10/PN16, ASME B 16.5 Class 150/300, ASME B 16.47 Class 150/300, JIS B 2211-5K, JIS B 2212- 10K	• Inspection and Testing ISO 5208, API 598, MSS SP-61, MSS SP-68	• Leakage Class API 598, EN12266, ISO5208 Catagory-3, ANSI FCI 70-2-2023 Table1 Class VI,IV MSS SP-61
• Face to Face API609 A, ISO 5752		• Fire Safe API 607	

TECHNICAL ADVANTAGES

- 2" ~ 48" (DN50 ~ DN1200) Size Options ,
- Specially designed with rigid construction for heavy industrial applications,
- Soft Seat (-29 °C ~ 210 °C) , Fire Safe Seat (-29 °C ~ 210 °C), Metal Seat (-29 °C ~ 500 °C) Options,
- ISO5211 according to directly assembled actuators top flanged,
- One-Piece shaft design is Blow-Out Proof ATEX according to ATEX 2014/34/EU Group II Category 2 and is equipped with Anti-Static devices,
- DIN, ANSI, JIS norms

SV390 SERIES

WAFER TYPE TRIPLE ECCENTRIC HIGH PERFORMANCE BUTTERFLY VALVES



ACTUATOR FEATURES

Pneumatic Actuator

- Aluminum extruded body,
- Double acting or single acting (spring return) pneumatic actuator options,
- Optional on / off switch box with mechanical or proximity limit,
- Optional with NAMUR valve type air direction,
- 3-15 psi or proportional control with a choice of 4-20 mA

Electrical Actuator

- 24V DC, 24V AC/DC, 220V AC 110V AC power supply options,
- Proportional control with a choice of 4-20 mA,
- Type possibility of manual intervention when the power cut,

DESIGN STANDARDS

Design Standards

ASME V16.34

Face to Face

API609 A,
ISO 5752

Inspection and Testing

ISO 5208,
API 598

Flange Standards

ASME B 16.5 Class
150/300/600/900 LB,

ASME B 16.47 Class
150/300/600/900 LB

ISO 5208 Rte D/A

Fire Safe

API 607,
ISO 10497

SV340 SERIES

HYGIENIC BUTTERFLY VALVES

TECHNICAL ADVANTAGES

- "1/2" ~ "6" sizes,
- Smooth inner surface,
- Easy adaptability to different processes thanks to their modular structure,
- Low flow resistance,
- Manual or actuated control options,
- Quick and easy maintenance



CONNECTION TYPE	ACTUATOR FEATURES	APPLICATION AREA
<ul style="list-style-type: none">• Butt Welded• Tri-Clamp Fittings	<ul style="list-style-type: none">• On/Off and Proportional Electrical Actuator (24V DC, 24V AC/DC, 220V AC, 110V AC) power supply options,• On/Off and Proportional Pneumatic Actuator (Double and Single Acting),• Lever and Gearbox	<ul style="list-style-type: none">• Food and Beverage Industry,• Dairy Products Industry,• Pharmaceutical and Biotechnology Industry,• Chemical Industry (High Purity Applications),• Water Treatment

SV222 SERIES

TWO PCS THREADED END BALL VALVES

TECHNICAL ADVANTAGES

- 1/2" ~ 4" sizes,
- ISO5211 according to directly assembled actuators top flanged,
- Friction and wearing - resistance PTFE (teflon)ball seat,
- 100% tightness testing before shipment



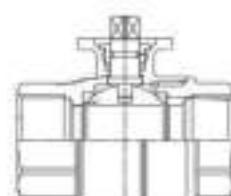
MATERIAL OPTIONS

- AISI304 Stainless Steel,
- AISI316 Stainless Steel,
- A216 WCB Carbon Steel

CONNECTION TYPE

- Threaded End,
- Butt Welded,
- Socket Welded

TECHNICAL DRAWING



TECHNICAL ADVANTAGES

- 1/2" ~ 4" sizes,
- Nickel plated brass body and ball,
- Friction and wearing – resistance PTFE (teflon)ball seat,
- ISO5211 according to directly assembled actuators top flanged,
- 100% tightness testing before shipment

SV222 SERIES

PNEUMATIC/ ELECTRICAL ACTUATED BRASS BALL VALVES



ACTUATOR FEATURES

Pneumatic Actuator

- Aluminum extruded body,
- Double acting or single acting (spring return) pneumatic actuator options,
- Optional on / off switch box with mechanical or proximity limit,
- Optional with NAMUR valve type air direction,
- 3-15 psi or proportional control with a choice of 4-20 mA

Electrical Actuator

- 24V DC, 24V AC/DC, 220V AC, 110V AC power supply options,
- Proportional control with a choice of 4-20 mA,
- Type possibility of manual intervention when the power cut,

APPLICATION AREA

- Chemical and Petrochemical Industry,
- Water and Process Technologies,
- In the Shipbuilding and Yacht Industry,
- Electrolysis Premises,
- Mining Industry,
- Food Industry,
- Steel Industry,
- HVAC

TECHNICAL ADVANTAGES

- 1/4" ~ 4" sizes,
- Anti-static ball shaft and body design,
- Three pieces body provides easily assembly,
- ISO5211 according to directly assembled actuators top flanged,
- DIN3202-M3 Norms,
- Friction and wearing resistance PTFE (Teflon) ball seal,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS Norms

SV223 SERIES

LEVER / PNEUMATIC ACTUATED THREADED END BALL VALVES



MATERIAL OPTIONS	CONNECTION TYPE	ACTUATOR FEATURES
<ul style="list-style-type: none">• AISI304 Stainless Steel,• AISI316 Stainless Steel,• A216 WCB Carbon Steel	<ul style="list-style-type: none">• Threaded End,• Butt Welded,• Socket Welded	<ul style="list-style-type: none">• Aluminum extruded body,• Double acting or single acting (spring return) pneumatic actuator options,• Optional on / off switch box with mechanical or proximity limit,• Optional with NAMUR valve type air direction,• 3-15 psi or proportional control with a choice of 4-20 mA

SV223 SERIES

ELECTRICAL ACTUATED THREADED END BALL VALVES

TECHNICAL ADVANTAGES

- 1/4" ~ 4" sizes,
- Anti-static ball shaft and body design,
- Three pieces body provides easily assembly,
- ISO5211 according to directly assembled actuators top flanged,
- DIN3202-M3 Norms,
- Friction and wearing resistance PTFE (Teflon) ball seal,
- 100% tightness testing before shipment,
- DIN, ANSI, JIS Norms



MATERIAL OPTIONS

- AISI304 Stainless Steel,
- AISI316 Stainless Steel,
- A216 WCB Carbon Steel

CONNECTION TYPE

- Threaded End,
- Butt Welded,
- Socket Welded

ACTUATOR FEATURES

- 24V DC, 24V AC/DC, 220V AC, 110V AC power supply options,
- Proportional control with a choice of 4-20 mA,
- Type possibility of manual intervention when the power cut

TECHNICAL ADVANTAGES

- DN15 ~ DN100 sizes,
- Anti-static ball shaft and body design,
- One -piece body takes up less space,
- ISO5211 direct mounting actuator mount pad,
- Friction and wearing resistance PTFE (Teflon) ball seal,
- 100% tightness test before shipment,
- DIN, ANSI norms

SV224 SERIES

LEVER / PNEUMATIC ACTUATED MONOBLOCK TYPE BALL VALVES



MATERIAL OPTIONS

- AISI304 Stainless Steel,
- AISI316 Stainless Steel,
- A216 WCB Carbon Steel

CONNECTION TYPE

- Flanged

ACTUATOR FEATURES

- Aluminum extruded body,
- Double acting or single acting (spring return) pneumatic actuator options,
- Optional on / off switch box with mechanical or proximity limit,
- Optional with NAMUR valve type air direction,
- 3-15 psi or proportional control with a choice of 4-20 mA

SV224 SERIES

ELECTRICAL ACTUATED MONOBLOCK TYPE BALL VALVES

TECHNICAL ADVANTAGES

- DN15 ~ DN100 sizes,
- Anti-static ball shaft and body design,
- One -piece body takes up less space,
- ISO5211 direct mounting actuator mount pad,
- Friction and wearing resistance PTFE (Teflon) ball seal,
- 100% tightness test before shipment,
- DIN, ANSI norms



MATERIAL OPTIONS	CONNECTION TYPE	ACTUATOR FEATURES
<ul style="list-style-type: none">• AISI304 Stainless Steel,• AISI316 Stainless Steel,• A216 WCB Carbon Steel	<ul style="list-style-type: none">• Flanged	<ul style="list-style-type: none">• 24V DC, 24V AC/DC, 220V AC, 110V AC power supply options,• Proportional control with a choice of 4-20 mA,• Type possibility of manual intervention when the power cut,

TECHNICAL ADVANTAGES

- DN15 ~ DN300 Sizes,
- Anti-static ball, shaft and body design,
- Providing to easy maintenance two pieces body,
- ISO5211 direct mounting actuator mount pad,
- Friction and wear resistant PTFE (Teflon) ball seal,
- 100% tightness test before shipment,
- DIN, ANSI norms

SV225 SERIES

LEVER / PNEUMATIC ACTUATED TWO PIECES TYPE FLANGED BALL VALVES



MATERIAL OPTIONS	CONNECTION TYPE	ACTUATOR FEATURES
<ul style="list-style-type: none">• AISI304 Stainless Steel,• AISI316 Stainless Steel,• A216 WCB Carbon Steel	<ul style="list-style-type: none">• Flanged	<ul style="list-style-type: none">• Aluminum extruded body,• Double acting or single acting (spring return) pneumatic actuator options,• Optional on / off switch box with mechanical or proximity limit,• Optional with NAMUR valve type air direction,• 3-15 psi or proportional control with a choice of 4-20 mA

SV225 SERIES

ELECTRICAL ACTUATED TWO PIECES TYPE FLANGED BALL VALVES

TECHNICAL ADVANTAGES

- DN15 ~ DN300 Sizes,
- Anti-static ball, shaft and body design,
- Providing to easy maintenance two pieces body,
- ISO5211 direct mounting actuator mount pad,
- Friction and wear resistant PTFE (Teflon) ball seal
- %100 tightness test before shipment,
- DIN, ANSI norms



MATERIAL OPTIONS	APPLICATION AREA	ACTUATOR FEATURES
<ul style="list-style-type: none">• AISI304 Stainless Steel,• AISI316 Stainless Steel,• A216 WCB Carbon Steel	<ul style="list-style-type: none">• Chemical and Petrochemical Industry,• Water and Process Technologies,• In the Shipbuilding and Yacht Industry,• Electrolysis Premises,• Mining Industry,• Food Industry,• Steel Industry,• HVAC	<ul style="list-style-type: none">• 24V DC, 24V AC/DC, 220V AC, 110V AC power supply options,• Proportional control with a choice of 4-20 mA,• Type possibility of manual intervention when the power cut,

TECHNICAL ADVANTAGES

- 1/4" ~ 4" sizes,
- Anti-static ball, shaft and body design,
- L-Port and T-Port working alternative,
- ISO5211 direct mounting actuator mount pad,
- Friction and wearing resistance PTFE (Teflon) ball seal,
- %100 tightness test before shipment,
- DIN, ANSI norms

SV233 / 234 SERIES

LEVER / PNEUMATIC ACTUATED THREE-WAY BALL VALVES



MATERIAL OPTIONS	APPLICATION AREA	ACTUATOR FEATURES
<ul style="list-style-type: none">• AISI304 Stainless Steel,• AISI316 Stainless Steel	<ul style="list-style-type: none">• Chemical and Petrochemical Industry,• Water and Process Technologies,• In the Shipbuilding and Yacht Industry,• Electrolysis Premises,• Mining Industry,• Food Industry,• Steel Industry,• HVAC	<ul style="list-style-type: none">• Aluminum extruded body,• Double acting or single acting (spring return) pneumatic actuator options,• Optional on / off switch box with mechanical or proximity limit,• Optional with NAMUR valve type air direction,• 3-15 psi or proportional control with a choice of 4-20 mA

SV233 / SV234 SERIES

ELECTRICAL ACTUATED THREE-WAY BALL VALVES

TECHNICAL ADVANTAGES

- Anti-static ball, shaft and body design,
- L-Port and T-Port working alternative,
- ISO5211 direct mounting actuator mount pad,
- Friction and wearing resistance PTFE (Teflon) ball seal,
- %100 tightness test before shipment,
- DIN, ANSI norms



MATERIAL OPTIONS

- AISI304 Stainless Steel,
- AISI316 Stainless Steel

CONNECTION TYPE

- Threaded End

ACTUATOR FEATURES

- 24V DC, 24V AC/DC, 220V A,C 110V AC power supply options,
- Proportional control with a choice of 4-20 mA,
- Type possibility of manual intervention when the power cut,

TECHNICAL ADVANTAGES

- DN40 ~ DN600 size options,
- Low pressure loss by design,
- Fast closure when flow stops reverses thanks to dual plate,
- Low pressure loss, light moving parts and reduced energy,
- Horizontal and vertical mounting option,
- Different material options suitable for process conditions

SV657 SERIES

DUAL PLATE CHECK VALVES



DESIGN STANDARDS

- Design Standards DIN3356
- Inspection and Test ISO 5208

- Flange Standards DIN3202, ISO5752

APPLICATION AREA

- Chemical and Petrochemical Industry,
- Water and Process Technologies,
- In the Shipbuilding and Yacht Industry,
- HVAC

CONNECTION TYPE

- Wafer
- Lug
- Double flanged

SV950 SERIES

WAFER TYPE MANUAL KNIFE GATE VALVES

TECHNICAL ADVANTAGES

- DN50 ~ DN2000 size options,
- The perfect solution for intensive control of fluids and solid particles,
- According to the type of fluid wide seal option (Metal to Metal, EPDM, VITON, Silicone, NBR),
- Preventing to fluid accumulation body design,
- %100 tightness test before shipment,
- DIN, ANSI norms



ACCESSORIES

- Cleaning the surface of the knife with stainless steel scraper,
- Stellite coated knife for applications the high mechanical wearing,
- Several holes can be drilled in the body to flush air, steam or other fluids out in order to clean the valve seat before sealing,
- Gear box controlled for big sizes,
- Lever handle controlled in emergency application,
- With chain control and the extension rot controls options

APPLICATION AREA

- Paper and Cellulose Industry,
- Applications in Wastewater and Sludge,
- Mining Industry,
- Concrete Plants,
- Under Silo Applications

TECHNICAL ADVANTAGES

- DN50 ~ DN2000 size options,
- The perfect solution for intensive control of fluids and solid particles,
- According to the type of fluid wide seal option (Metal to Metal, EPDM, VITON, Silicone, NBR),
- Preventing to fluid accumulation body design,
- %100 tightness test before shipment,
- DIN, ANSI norms

SV950 SERIES

PNEUMATIC ACTUATED WAFER TYPE KNIFE GATE VALVES



ACCESSORIES	APPLICATION AREA	ACTUATOR FEATURES
<ul style="list-style-type: none">• Cleaning the surface of the knife with stainless steel scraper,• Stellite coated knife for applications the high mechanical wearing,• Several holes can be drilled in the body to flush air, steam or other fluids out in order to clean the valve seat before sealing,	<ul style="list-style-type: none">• Paper and Cellulose Industry,• Applications in Wastewater and Sludge,• Mining Industry,• Concrete Plants,• Under Silo Applications	<ul style="list-style-type: none">• Aluminum extruded body,• Double acting or single acting (spring return) pneumatic actuator options,• Optional on / off switch box with mechanical or proximity limit,• Optional with NAMUR valve type air direction,• 3-15 psi or proportional control with a choice of 4-20 mA

SV956 SERIES

SLURRY TYPE KNIFE GATE VALVES

TECHNICAL ADVANTAGES

- DN50 ~ DN1500 size options,
- Bidirectional wafer - design knife gate valve,
- Monoblock one piece cast iron body,
- Stainless steel gate. Two rubber sleeves,
- Provides high flow rates with low pressure drop,
- According to the type of fluid wide seal option (Natural Rubber, EPDM, Nitrile, FKM),
- The perfect solution for intensive control of fluids and solid particles,
- Preventing to fluid accumulation body design,
- Face to face dimension in accordance with Starvalves standard,
- %100 tightness testing before shipment,
- Working Pressure Max:
 - DN50 ~ DN150 : 16 Bar
 - DN200 ~ DN600 : 10 Bar
 - DN700 ~ DN900 : 8 Bar
 - DN100 ~ DN1200 : 6 Bar
- DIN, ANSI norms



ACCESSORIES

- Stellite coated knife for applications the high mechanical wearing,
- Gear box controlled for big sizes,
- With chain control and the extension rot controls options

APPLICATION AREA

- Mining Industry,
- Chemical Plants,
- Power Plants,
- Sewage Treatment

TECHNICAL ADVANTAGES

- DN50 – DN200 size options,
- The perfect solution for intensive control of fluids and solid particles,
- According to the type of fluid wide seal option (Metal to Metal, EPDM, VITON, SILICON, NBR),
- Preventing to fluid accumulation body design,
- DIN, ANSI norms

OTHER TYPE

KNIFE GATE VALVES



ACCESSORIES

- Cleaning the surface of the knife with stainless steel scraper,
- Stellite coated knife for applications the high mechanical wearing,
- Several holes can be drilled in the body to flush air, steam or other fluids out in order to clean the valve seat before sealing,
- Gear box controlled for big sizes,
- Lever handle controlled in emergency application,
- With chain control and the extension rod controls options

APPLICATION AREA

- Applications in Wastewater and Sludge,
- Chemical Industry,
- Dams and Hydrological Projects,
- Food Industry,
- Mining Industry,
- Concrete Plants,
- Under Silo Applications,
- Paper Pulp Industry

CONNECTION TYPE

- Manual Handwheel,
- Gearbox Operated,
- Pneumatic Actuated,
- Electric Actuated

SV240 SERIES

V - PORT SEGMENT BALL VALVES

TECHNICAL ADVANTAGES

- DN25 ~ DN250 Size wafer type,
- DN25 ~ DN500 size double flange type,
- With V-port ball linear control,
- PTFE and Metal seat (Stellite coated AISI316 Stainless steel) options,
- Stellite coated AISI316 with Stainless steel seat, in the high temperature and mechanical wearing resistance,
- Hard chrome coated AISI316 with Stainless steel ball, in the high temperature and Mechanical wearing resistance,
- According to the other type of valves,
- The actuator can be mounting more easily, Can be more easily mounting because of shorter length,
- ISO5211 direct mounting actuator mount pad,
- On/off with low torque,
- 10, 16, 25 bar pressure class,
- %100 tightness test before shipment,
- DIN, ANSI norms



DESIGN STANDARDS

- Flange Standards ASME B16.5, DIN 2501

- Inspection and Test VI Class (Zero Leakage)

ACTUATOR FEATURES

- Aluminum extruded body,
- Double acting or single acting (spring return) pneumatic actuator options,
- Optional on / off switch box with mechanical or proximity limit,
- Optional with NAMUR valve type air direction,
- 3-15 psi or proportional control with a choice of 4-20 mA

APPLICATION AREA

- Mining Industry,
- Chemical Plants,
- Power Plants,
- Sewage Treatment

TECHNICAL ADVANTAGES

- DN40 – DN1200 sizes,
- Cast Iron and Carbon Steel Body options,
- Two split bodies design for easy dismantling to change new sleeves,
- Dust-proof cover design,
- HANDWHEEL, Pneumatic, Electrical or Hydraulic Actuator control options

SV970 SERIES

MANUAL / PNEUMATIC ACTUATED PINCH VALVES



DESIGN STANDARDS

- Flange Standards ASME B16.5, DIN 2501

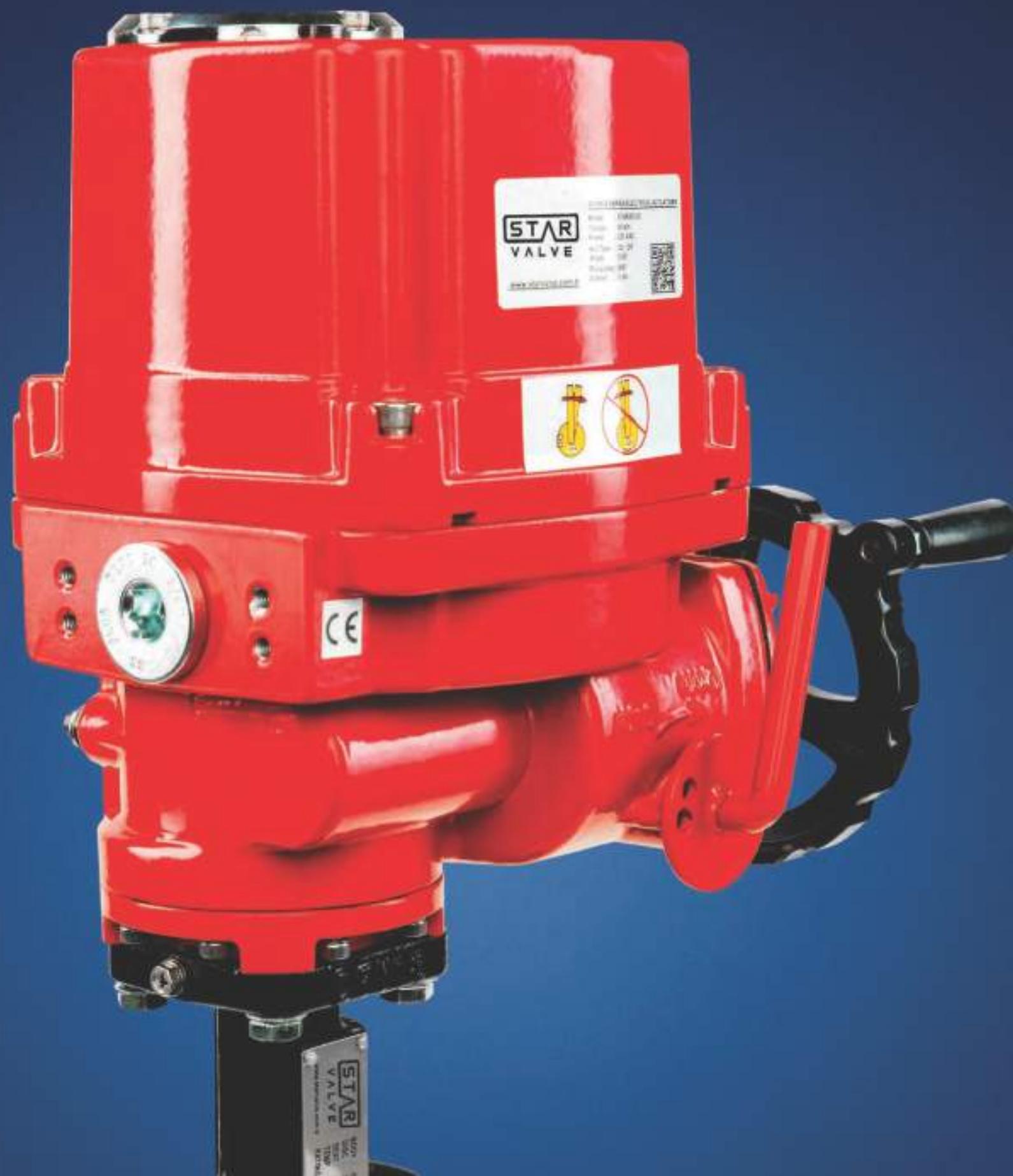
- Inspection and Test VI Class (Zero Leakage)

ACTUATOR FEATURES

- Aluminum extruded body,
- Double acting or single acting (spring return) pneumatic actuator options,
- Optional on / off switch box with mechanical or proximity limit,
- 3-15 psi or proportional control with a choice of 4-20 mA

APPLICATION AREA

- Applications in Wastewater and Sludge,
- Chemical Industry,
- Dams and Hydrological Projects,
- Food Industry,
- Mining Industry,
- Concrete Plants,
- Under Silo Applications,
- Paper Pulp Industry



ACTUATORS



STAR-P SERIES

ALUMINUM BODY PNEUMATIC ACTUATORS

TECHNICAL ADVANTAGES

- 3 Nm and 13024 Nm torque range,
- As a standard Hard anodized coated aluminum body, PTFE /Nickel/C5 coated options; in corrosive environments suitable for work,
- ISO5211, DIN3337, according to NAMUR standards,
- Double acting and single acting (Normally open/ Normally close) options,
- Suitable for accessories such as mechanical limit switch box, namur type air solenoid valve, positioner, manual override gearbox



TECHNICAL ADVANTAGES

- Glass-fiber-reinforced polyamide body with excellent resistance to corrosion,
- Light in weight and silicone-free and made with polyamide plus fiberglass offering the best properties,
- ISO5211, DIN3337, according to NAMUR standards,
- Double acting and single acting (Normally open/ Normally close) options,
- Suitable for accessories such as mechanical limit switch box, namur type air solenoid valve, positioner, manual override gearbox

STAR-PP SERIES

POLYAMIDE BODY PNEUMATIC ACTUATORS



STAR-PS SERIES

STAINLESS STEEL BODY PNEUMATIC ACTUATORS

TECHNICAL ADVANTAGES

- High corrosion resistance, long life and mechanical durability in corrosive environments with stainless steel body,
- ISO5211, DIN3337, according to NAMUR standards,
- Double acting and single acting (Normally open/ Normally close) options,
- Suitable for accessories such as mechanical limit switch box, namur type air solenoid valve, positioner, manual override gearbox,
- High temperature resistant material, reliable performance in applications subject to temperature variations



PNEUMATIC ACTUATOR ACCESSORIES

LIMIT SWITCH BOX

- Standard IP67 enclosure,
- 2 pcs Limit Switch with mechanical or proximity,
- 3D On / Off Continuous Position Indicator,
- According to NAMUR Standard all kinds of actuators can be mounting easily,
- 8 Strips on terminal box allows direct connection of solenoid valve inside the switch box,
- Optional Eexd II B T6 ex-proof



THERMOPLASTIC LIMIT SWITCH BOX

- Thermoplastic Body,
- Standard IP67 enclosure,
- 2 Pcs limit switch with mechanical or proximity,
- 3D On / Off continuous position indicator,
- According to namur standard all kinds of actuators can be mounting easily,
- 8 Strips on terminal box allows direct connection of solenoid valve inside the switch box



NAMUR TYPE AIR SOLENOID VALVE

- Standard IP65 enclosure,
- Direct mounting on NAMUR type actuators,
- Lockable manual control,
- Single coil and double coil alternative,
- 5/2, 3/2 and 5/3 working options,
- Optional Eex m II T5 Ex-proof



AIR SOLENOID VALVE

- Standard IP65 enclosure,
- Lockable manual control,
- Single coil and double coil alternative,
- 5/2, 3/2 and 5/3 working options,
- Optional Eex m II T5 Ex-proof



PNEUMATIC ACTUATOR ACCESSORIES

MANUAL CLUTCH TYPE GEARBOX

- 300 Nm ~ 8.000 Nm torque options,
- 0° ~ 90° (+/-5°) Mechanical Limit,
- High-strength Steel Output Shaft (Optionally Stainless Steel),
- Ductile Iron Sheel (Optionally WCB or Stainless Steel),
- The body is totally sealed, interior is based on the grease to extend service life,
- Designed for direct mounting on butterfly valves, ball valves, plug valves, dampers and flaps,
- IP67 protection rating (Optionally IP68),
- Compatibility with ISO5211 top flange standard for direct valve mounting,
- Gearboxes with precision casting and innovative design



POSITIONERS

- Rotary and linear type,
- 3-15 psi pneumatic positioner Input 4-20 mA, 4-20 mA Input / Output (feedback) and (smart),
- Can be applied both on double and single acting pneumatic actuators,
- Ex d II B T6 Ex-proof,
- Aluminum body



VALVE TERMINAL

- Standard IP65 enclosure,
- Lockable manual control,
- Single coil and double coil alternative,
- 5/2, 3/2 and 5/3 working options,
- Optional Exx m II T5 Ex-proof



TECHNICAL ADVANTAGES

- 30 Nm, 50 Nm, 80 Nm, 100 Nm, 140 Nm torque options,
- 0° ~ 90° working angle (0° ~ 180° , 0° ~ 270°, 0° ~ 360° on request),
- 220V AC, 24V DC, 24V AC power supply options,
- IP67 protection rating (Optionally IP68),
- Mechanically strong polyamide body fortified with glass fiber,
- Easy opening / closing manually by means of ratcheting wrench in case of power failure,
- Faster opening / closing compared to standard actuators,
- Compatibility with ISO5211 top flange standard for direct valve mounting,
- 100% tightness testing before shipment

ALFA SERIES

QUARTER TURN ELECTRICAL ACTUATORS

TECNICAL SPECIFICATION

- Power Supply
220V AC, 24V DC, 24V AC/DC

- Motor
Squirrel Cage Asynchronous Motor
(220V AC, 24V DC, 24V AC/DC, 1ph, Class A, S2 Service)

- Limit Switches / Auxiliary Limit Switches
Open / Close 2 x (SPDT 250V AC 10A)

- Working Angle - Standard (on request)
0° ~ 90° working angle (0° ~ 180°, 0° ~ 270°, 0° ~ 360° on request)

- Thermal Protection
Internal Thermal Protection, Open 120°C ± 5°, Indoor 97°C ± 5°

- Position Indicator
Continuous Position Indicator

- Manual Control
Open / Close with Ratcheting Wrench

- Self Locking
Position fixing with double gear locking system when power supply is cut

- Cable Entry
2 X M16



STAR-E SERIES

QUATER TURN ELECTRICAL ACTUATORS



TECHNICAL ADVANTAGES

- 30 Nm and 6.000 Nm torque range,
- 0° ~ between 270° work facilities ,
- 24V DC, 110V DC, 110V AC, 220V AC, 380V AC supply options,
- 4-20 mA or with 0-10V proportional control facilities, Standard in Protection Class IP67, optional IP68 protection class,
- Standard open/close mechanical limit switch,
- When power cut off with an allen open / close,
- Local control unit, potentiometer options,
- Super fast open/close options (2.5s, 5s, 10s, 15s),
- Powder coated aluminum injection body,
- ISO5211 standardization

TECNICAL SPECIFICATION

- **Actuator Supply**
Standard: 220V AC

- **Optional**
24V DC, 220V DC, 110V AC, 380V AC, 440V AC

- **Motor**
Induction Motor

- **Limit Switches**
Open / Close 2 pcs (SPDT 250V AC 10A)

- **Working Angle**
90°~ 270° ±10°

- **Thermal Protection**
Internal Thermal Protection, Open 120°C ± 5°, close 97°C ± 5°

- **Position Indicator**
Continuous Position Indicator

- **Manual Control**
With an allen open-close

- **Self Locking**
When the power is cut with double gear system locking position

- **Mechanical Stops**
Separately adjustable opening and closing direction bolted stops

- **Heater**
Anti - condensing heater

- **Cable Entry**
2 pcs M18

TECHNICAL ADVANTAGES

- 50 Nm and 5.000 Nm torque range,
- 0° between 270° work facilities,
- 24V DC, 110V DC, 110V AC, 220V AC, 380V AC supply options,
- 4-20 mA or 0-10V proportional control facilities,
- Standard in Protection Class IP67, Optional IP68 protection class,
- Standard Open/Close mechanical limit switch,
- When power cut off with manual override open / close,
- Local control unit, potentiometer options,
- Powder coated aluminum injection body,
- ISO5211 standardization,
- Ex-proof (Exd II C T5) option

STAR-EV SERIES

QUARTER TURN ELECTRICAL ACTUATORS WITH MANUAL OVERRIDE

TECNICAL SPECIFICATION

- **Actuator Supply**
Standard: 220V AC

- **Optional**
24V DC, 220V DC, 110V AC, 380V AC, 440V AC

- **Control Signal**
110V AC / 220V AC 1 phase, 50/60Gz, ±10

- **Motor**
Induction Motor

- **Limit Switches**
Open / Close 2 psc (SPDT 250V AC 10A)

- **Tork Switches**
Open/Close 1 pcs (SPDT 25V AC 10A) (available STAR-EV 150 and up)

- **Working Angle**
90° ±10°

- **Thermal Protection**
Internal Thermal Protection, Open 120°C ± 5°, Close 97°C ± 5°

- **Position Indicator**
Continuous Position Indicator

- **Manual Control**
With Manual Override

- **Self Locking**
When the power is cut with double gear system locking position

- **Mechanical Stops**
Separately adjustable opening and closing direction bolted stops

- **Heater**
Anti-cosending heater

- **Cable Entry**
2 X M16



STAR-M SERIES

MULTITURN ELECTRICAL ACTUATORS

TECHNICAL ADVANTAGES

- 70 Nm ~ 1.000 Nm torque options,
With gearbox 1.000Nm ~ 500.000Nm,
- 110V AC, 220V AC, 380V AC, 440V AC supply options,
- 4-20 mA Proportional Control Facilities,
- Standard in Protection Class IP67
Optional IP68 Protection Class,
- When power cut off with manual override open/close,
- Local Control Units option,
- Ex-proof (Exd II CT4) option

TECNICAL SPECIFICATION



- **Actuator Supply**
Standard: 380V AC/3ph
Optional: 110/220V AC/1ph, 440V AC/3ph, 50/60Hz, ±10%
- **Motor**
Asynchronous Motor
- **Limit Switches**
1xOpen/Close, SPDT 250V AC 10A (on/off model)
- **Auxiliary Limit Switches**
1xOpen/Close, SPDT 250V AC 10A (on/off model)
- **Torque Switches**
1xOpen/Close, SPDT 250V AC 10A
- **Operating Temperature**
Internal-placed thermal protection, Open 120°C ±5°C/ Close 97°C ±5°C
- **Manual Operation**
Declutching mechanism, with handwheel operation
- **Self Locking Device**
Self locking by worm and worm gear
- **Space Heater**
30W (110/220V AC) Condensation preventing
(according to conditions, can be adjusted)
- **Conduit Entry**
Double seal 3x (PT3/4", PT1 1/2", PT1 optional)
- **Ambient Temperature**
-25°C ~ 7°C (-30°C, -40°C, -60°C optional)
- **Lubrication**
Special oil for 00 actuators
- **Material**
Ductile iron, high strength aluminum alloys steel
- **External Coating**
Dry power, epoxy polyethylene high anti-corrosion
- **Overload Protection**
Torque top overload protection
- **Display Screen**
LED display (smart regulation type)
- **Setting Mode**
Non-intrusive setting (Without opening the cover set type)
- **Electrically**
Integrated control unit with a non-invasive rotary switch



MEASURING AND CONTROL EQUIPMENT



TECHNICAL ADVANTAGES

- R1½" ~ R2" [DN15 ~ DN150] Sizes,
- Wide choice of measuring scales,
- SS and PP float materials,
- Suitable for line type vertical mounting,
- Drinking water standards,
- CaCO₃ (Calcite) free 100% pure virgin material,
- UV resistant powder added,
- Specially designed for heavy industrial applications,
- Water Applications EPDM O-Ring, Acidic Applications Viton O-Ring alternatives,
- Working pressure max: 6 Bar

SV810 SERIES

VARIABLE AREA FLOWMETERS



CONTROL OPTIONS

- Flanged (U-PVC, C-PVC, PP-H, PVDF),
- Socket Solvent Cement (U-PVC, C-PVC),
- Socket Welded (PP-H, PVDF)

APPLICATION AREA

- Chemical and Petrochemical Industry,
- Water and Process Technologies,
- Shipbuilding and Yacht Industry,
- Electrolysis Premises,
- Mining Industry,
- Food Industry,
- Cooling Systems,
- Coating Plant

SV816 SERIES

DIAPHRAGM TYPE PRESSURE GAUGE

TECHNICAL ADVANTAGES

- R $\frac{1}{4}$ '' ~ R1''(DN8 ~ DN25) Sizes,
- U-PVC / C-PVC / PP-H PVDF / SS304 / SS316 Body material,
- PTFE Diaphragm material,
- Specially designed for heavy industrial applications,
- working pressure max: 10 Bar



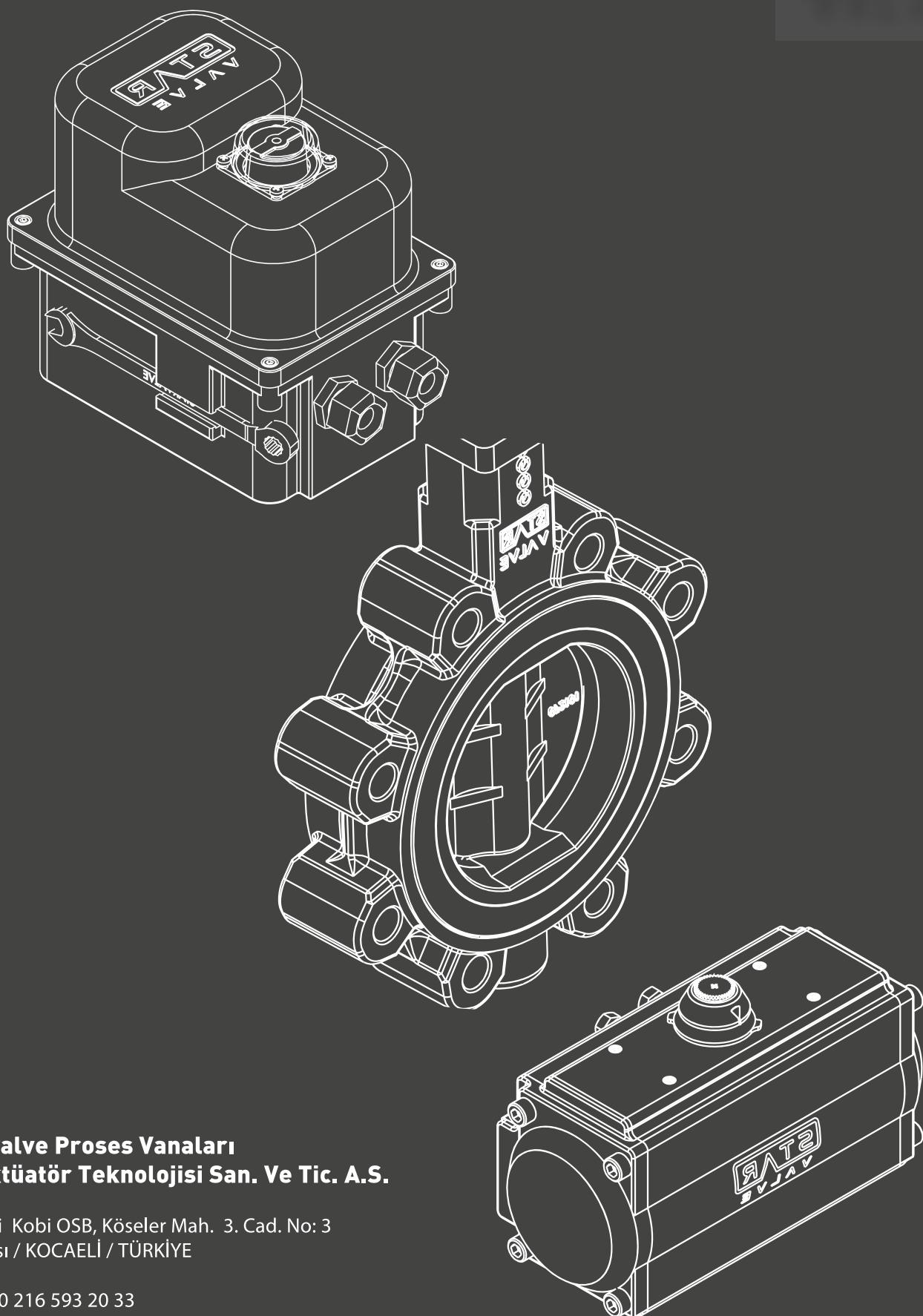
CONNECTION TYPE

- Threaded (U-PVC, C-PVC, PP-H, PVDF)

APPLICATION AREA

- Chemical and Petrochemical Industry,
- Water and Process Technologies,
- Shipbuilding and Yacht Industry,
- Electrolysis Premises,
- Mining Industry,
- Food Industry,
- Cooling Systems,
- Coating Plant





**Starvalve Proses Vanaları
ve Aktüatör Teknolojisi San. Ve Tic. A.S.**

Kocaeli Kobi OSB, Köseler Mah. 3. Cad. No: 3
Dilovası / KOCAELİ / TÜRKİYE

Tel: +90 216 593 20 33
Fax: +90 216 593 20 34

info@starvalve.com.tr
www.starvalve.com.tr