



力霸水泵機械工程有限公司

SUPERPOWER PUMPING ENG. CO. LTD

40th
Anniversary



IMI TA NFK
General Catalogue

SHOWA



SHOWA



SHOWA



SHOWA



SHOWA



IMI TA



MIGISHITA



NFK



<http://www.showavalve.co.jp/>

TRADE MARK

SHOWA



SHOWA

SHOWA VALVE CO., LTD.

Head Office and Factory

155-9 Koizumi, Hikone, Shiga, Japan
Tel:81-749-22-4545 Fax:81-749-26-1785
<http://www.showavalve.co.jp>
sales@showavalve.co.jp

Tokyo Office

Hiro-court akihara 2F, 3-34-1,
Kandasakuma-cho, Chiyodaku, Tokyo, Japan
Tel:81-3-5823-2571 Fax:81-3-5823-2572

Fukuoka Office

Sumitomo Seimei Hakata bld. 2F,
2-8, Hakata ekimae Hakataku,
Fukuoka-City, Fukuoka, Japan
Tel:81-92-432-2297 Fax:81-92-432-2298

Dalian office

55-3-502, Liang Yun Hua Yuan,
Dandong Street, Zhong Shan District,
Dalian, China

Dalian(China) Factory

Wafangdian Paotai Economic
Development Zone, Dalian, China

Vietnam Office and Factory

Tan Truong Industrial Zone,
Cam Giang District, Hai Duong, Vieti



Product Table of Contents

| Material / Items | Page | Material / Items | Page |
|-------------------------------|------|---------------------------------------|------|
| Cast Iron with Coating | | Butterfly Valve | |
| Gate Valve | 1 | Wafer Type | 6 |
| Globe Valve | 1 | Lug Type | 6 |
| Y-Strainer | 1 | With Electric Actuator | 6 |
| Swing Check Valve | 1 | Rubber Flexible Joint | 7 |
| Silent Check Valve | 2 | Stainless Steel Flexible Joint | 8 |
| Ball Check Valve | 2 | Balancing Valve | |
| U-Strainer | 2 | STAD | 9 |
| Cast Iron | | STAF | 9 |
| Gate Valve | 3 | STAF-SG | 9 |
| Globe Valve | 3 | STAP | 9 |
| Swing Check Valve | 3 | PBCV | 10 |
| Y-Strainer | 3 | Slider | 10 |
| Silent Check Valve | 4 | Pressure Gauge | |
| Ductile Iron | | S42 - General Type | 11 |
| Y-Strainer | 4 | S42 - With Red Pointer | 11 |
| Silent Check Valve | 4 | S42 - Vacuum | 11 |
| Bronze | | Thermometer | |
| Gate Valve | 5 | S Type-208 | 11 |
| Globe Valve | 5 | | |
| Swing Check Valve | 5 | | |
| Y-Strainer | 5 | | |

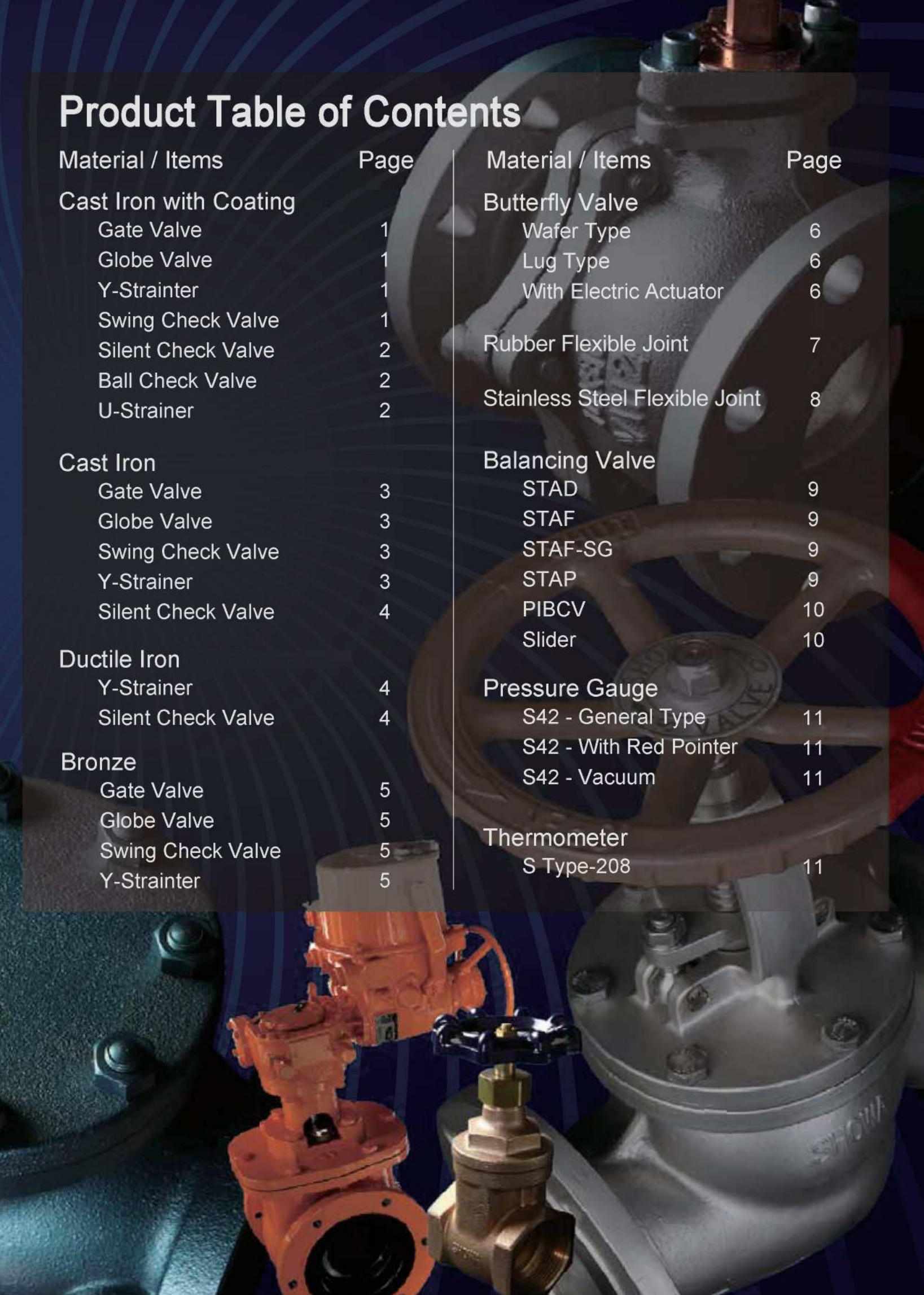


Fig No. 35 / 35R - Gate Valve (BS EN 1074-2)



Size: DN50 - 300
 Working Pressure: 16 bar
 Working Temp.: 60°C
 Body: Cast Iron (BS EN 1561)
 Fig No. 35: Bronze Trim (BS EN 1982)
 Fig No. 35R: Stainless Steel 316 Trim (BS EN 10088-1)
 Stem: Stainless Steel (BS EN 10088-1)
 Epoxy Powder Coated (WRAS #1701509)

Fig No. 104W / 104WR - Gate Valve (BS EN 1074-2)



Size: DN50 - 300
 Working Pressure: 25 bar
 Working Temp.: 60°C
 Body: Cast Iron (BS EN 1561)
 Fig No. 104W: Bronze Trim (BS EN 1982)
 Fig No. 104WR: Stainless Steel 316 Trim (BS EN 10088-1)
 Stem: Stainless Steel (BS EN 10088-1)
 Epoxy Powder Coated (WRAS #1701509)

Fig No. 34RB - Globe Valve (BS EN 13789)



Size: DN65 - 250
 Working Pressure: 16 bar
 Working Temp.: 60°C
 Body: Cast Iron (BS EN 1561)
 Trim: Bronze (BS EN 1982)
 Stem: Brass (BS EN 12164)
 Epoxy Powder Coated (WRAS #1701509)

Fig No. 33R - Y-Strainer



Size: DN50 - 300
 Working Pressure: 16 bar
 Working Temp.: 60°C
 Body: Cast Iron (BS EN 1561)
 Screen: Stainless Steel 316 (BS EN 10088-1)
 Epoxy Powder Coated (WRAS #1701509)

Fig No. 10RB / 10R - Swing Check Valve (BS EN 12334)



Size: DN65 - 300
 Working Pressure: 16 bar
 Working Temp.: 60°C
 Body: Cast Iron (BS EN 1561)
 Fig No. 10RB: Bronze Trim (BS EN 1982)
 Fig No. 10R: Stainless Steel 316 Trim (BS EN 10088-1)
 Epoxy Powder Coated (WRAS #1701509)

Fig No. 24R - Globe Type Silent Check Valve (BS EN 12334)



Size: DN50 - 200
 Working Pressure: 16 bar
 Working Temp.: 60°C
 Body: Cast Iron (BS EN 1561)
 Trim: Stainless Steel 316 (BS EN 10088-1)
 Epoxy Powder Coated (WRAS #1701509)

Fig No. 40RB / 40R - Wafer Type Silent Check Valve (BS EN 12334)



Size: DN40 - 250
 Working Pressure: 16 bar
 Working Temp.: 60°C
 Body: Cast Iron (BS EN 1561)
 Fig No. 40RB: Bronze Trim (BS EN 1982)
 Fig No. 40R: Stainless Steel 316 Trim (BS EN 10088-1)
 Epoxy Powder Coated (WRAS #1701509)

Fig No. 72 - Ball Check Valve



Size: DN80 - 200
 Working Pressure: 16 bar
 Working Temp.: 80°C
 Body/Cover: Ductile Iron (BS EN 1563)
 Float Ball: Ductile Iron + NBR
 Gasket: NBR
 Bolt/Washer/Plug: Stainless Steel 316 (BS EN 10088-1)
 Coating: Fusion Bonded Epoxy Coating

Fig No. 191Aa / 191Ab - U-Strainer



Fig No. 191Aa : Size: DN50 - 300
 Fig No. 191Ab : Size: DN50 - 65
 Working Pressure: 16 bar
 Working Temp.: 60°C
 Body: Cast Iron (BS EN 1561)
 Screen: Stainless Steel 316 (BS EN 10088-1)
 Epoxy Powder Coated (WRAS #1701509)
 Quick Open Type

Fig No. 191Ca / 191Cb - U-Strainer



Size: DN80 - 150
 Working Pressure: 16 bar
 Working Temp.: 60°C
 Body: Cast Iron (BS EN 1561)
 Fig No. 191Ca: Stainless Steel 304 Screen (BS EN 10088-1)
 Fig No. 191Cb: Stainless Steel 316 Screen (BS EN 10088-1)
 Epoxy Powder Coated (WRAS #1701509)
 Quick Open Type

Fig No. 3 - Gate Valve (BS EN 1171)



Size: DN50 - 600
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 120°C
 Body: Cast Iron (BS EN 1561)
 Trim: Bronze (BS EN 1982)
 Stem: Stainless Steel (BS EN 10088-1)

Fig No. 104 - Gate Valve (BS EN 1171)



Size: DN50 - 300
 Working Pressure: 25 bar
 Working Temp.: -10 ~ 120°C
 Body: Cast Iron (BS EN 1561)
 Trim: Bronze (BS EN 1982)
 Stem: Stainless Steel (BS EN 10088-1)

Fig No. 34 - Globe Valve (BS EN 13789)



Size: DN65 - 500
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 120°C
 Body: Cast Iron (BS EN 1561)
 Trim: Bronze (BS EN 1982)
 Stem: Brass (BS EN 12164)

Fig No. 10 - Swing Check Valve (BS EN 12334)



Size: DN65 - 300
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 120°C
 Body: Cast Iron (BS EN 1561)
 Trim: Bronze (BS EN 1982)

Fig No. 33 - Y-Strainer



Size: DN50 - 300
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 120°C
 Body: Cast Iron (BS EN 1561)
 Screen: Stainless Steel 304 (BS EN 10088-1)



Fig No. 24 - Globe Type Silent Check Valve (BS EN 12334)

Size: DN50 - 200
 Working Pressure: 16 bar
 Working Temp.: < 80°C
 Body: Cast Iron (BS EN 1561)
 Trim: Stainless Steel 304 (BS EN 10088-1)



Fig No. 40 - Wafer Type Silent Check Valve (BS EN 12334)

Size: DN40 - 250
 Working Pressure: 16 bar
 Working Temp.: < 80°C
 Body: Cast Iron (BS EN 1561)
 Trim: Stainless Steel 304 (BS EN 10088-1)



Fig No. 68WL - Wafer Type Dual Plate Check Valve (BS EN 12334)

Size: DN50 - 600
 Working Pressure: 16 bar
 Working Temp.: < 80°C
 Body: Cast Iron (BS EN 1561)
 Trim: Stainless Steel 304 (BS EN 10088-1)

Ductile Iron Valve



Fig No. 196 - Y-Strainer

Size: DN50 - 400
 Working Pressure: 25 bar
 Working Temp.: < 120°C
 Body: Ductile Iron (BS EN 1563)
 Screen: Stainless Steel 304 (BS EN 10088-1)



Fig No. 116WL - Wafer Type Dual Plate Check Valve (BS EN 12334)

Size: DN50 - 300
 Working Pressure: 25 bar
 Working Temp.: < 80°C
 Body: Ductile Iron (BS EN 1563)
 Trim: Bronze (BS EN 1982)



Fig No. 53 - Gate Valve (Non-rising stem, Screw End)

Size: DN15 - 50
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 100°C
 Body/Bonnet/Disc: Bronze (BS EN 1982)
 Stem: Brass (BS EN 12164)
 Handwheel: Aluminum



Fig No. 108 - Gate Valve (Non-rising stem, Screw End)

Size: DN15 - 50
 Working Pressure: 25 bar
 Working Temp.: -10 ~ 100°C
 Body/Bonnet/Disc: Bronze (BS EN 1982)
 Stem: Brass (BS EN 12164)
 Handwheel: Aluminum



Fig No. 55 - Globe Valve (Rising stem, Screw End)

Size: DN15 - 50
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 100°C
 Body/Bonnet/Disc: Bronze (BS EN 1982)
 Stem/Disc: Brass (BS EN 12164)
 Handwheel: Aluminum



Fig No. 54 - Swing Check Valve (Screw End)

Size: DN15 - 50
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 100°C
 Body: Bronze (BS EN 1982)
 Disc: Bronze (BS EN 1982)



Fig No. 56 - Y-Strainer

Size: DN15 - 50
 Working Pressure: 25 bar
 Working Temp.: -10 ~ 100°C
 Body: Bronze (BS EN 1982)
 Screen: Stainless Steel 304 (BS EN 10088-1)

Fig No. 139 - Wafer Type Butterfly Valve (with lever)



Size: DN50 - 200
 Working Pressure: 16 bar
 Working Temp.: <120°C
 Body: Cast Iron w/ Epoxy
 Stem: Stainless Steel 431
 Disc: Ductile Iron w/ nickel plated, or
 Stainless Steel 316

Fig No. 140 - Wafer Type Butterfly Valve (gear box with handwheel)



Size: DN50 - 500
 Working Pressure: 16 bar
 Working Temp.: < 120°C
 Body: Cast Iron w/ Epoxy (DN50-300) / Ductile Iron w/ Epoxy (DN350-500)
 Stem: Stainless Steel 431 (DN50-300) / Stainless Steel 410 (DN350-500)
 Disc: Ductile Iron w/ nickel plated, or
 Stainless Steel 316

Fig No. 142 - Lug Type Butterfly Valve (with lever)



Size: DN50 - 200
 Working Pressure: 16 bar
 Working Temp.: <120°C
 Body: Ductile Iron w/ Epoxy
 Stem: Stainless Steel 431
 Disc: Ductile Iron w/ nickel plated, or
 Stainless Steel 316

Fig No. 143 - Lug Type Butterfly Valve (gear box with handwheel)



Size: DN50 - 500
 Working Pressure: 16 bar
 Working Temp.: < 120°C
 Body: Ductile Iron w/ Epoxy
 Stem: Stainless Steel 431 (DN50-300) / Stainless Steel 410 (DN350-500)
 Disc: Ductile Iron w/ nickel plated, or
 Stainless Steel 316

Fig No. 140SP / 143SP - Butterfly Valve with Electric Actuator



Size: DN50 - 500
 Working Pressure: 16 bar
 Working Temp.: < 120°C
 Body: Cast Iron w/ Epoxy (DN50-300) / Ductile Iron w/ Epoxy (DN350-500)
 Stem: Stainless Steel 431 (DN50-300) / Stainless Steel 410 (DN350-500)
 Disc: Ductile Iron w/ nickel plated, or
 Stainless Steel 316
 Electric Actuator: "TTT" QT series electric actuator for on/off

Fig No. 30 - Twin Sphere with Union, PN16



Size: DN20 - 50
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 105°C
 Union Nut/Union Screw: Malleable Iron
 Reinforce: Multi-layered Tire Cord Fabric
 Facing & Liner Rubber: EPDM
 Reinforcing Ring: Steel

Fig No. 80 - Single Sphere with Floating Flanges, PN16



Size: DN40 - 600
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 105°C
 Facing & Liner Rubber: EPDM
 Reinforce: Multi-layered Tire Cord Fabric
 Wire: Hard Steel Wire Bead Rings
 Flange: Mild Steel

Fig No. 90 - Twin Sphere with Floating Flanges, PN16



Size: DN32 - 350
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 105°C
 Facing & Liner Rubber: EPDM
 Reinforce: Multi-layered Tire Cord Fabric
 Wire: Hard Steel Wire Bead Rings
 Flange: Mild Steel
 Reinforcing Ring: Steel (for 250mm & above)

Fig No. 90R - Twin Sphere with Floating Flanges, PN25



Size: DN50 - 200
 Working Pressure: 25 bar
 Working Temp.: -10 ~ 105°C
 Facing & Liner Rubber: EPDM
 Reinforce: Multi-layered Tire Cord Fabric
 Wire: Hard Steel Wire Bead Rings
 Flange: Mild Steel
 Reinforcing Ring: Steel

Fig No. 90SS - Twin Sphere with 316SS Floating Flanges, PN16



Size: DN32 - 350
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 105°C
 Facing & Liner Rubber: EPDM
 Reinforce: Multi-layered Tire Cord Fabric
 Wire: Hard Steel Wire Bead Rings
 Flange: Stainless Steel 316
 Reinforcing Ring: Steel (for 250mm & above)

NK-1500 - Male Threaded Type Flexible Metal Hose



Size: DN6 - 80
 Working Pressure: 10 bar
 Working Temp.: -40 ~ 450°C without sealing material
 Tube/Braid/Ring: Stainless Steel
 Nipple: Carbon Steel / Stainless Steel

NK-1200 - Multiuse Union Type Flexible Metal Hose



Size: DN6 - 100
 Working Pressure: 10 bar
 Working Temp.: -40 ~ 200°C
 Tube/Braid/Ring: Stainless Steel
 Union: Carbon Steel / Stainless Steel
 Gasket: Non Asbestos

NK-6300 - Non Welded Type Flexible Metal Hose



Size: DN20 - 300
 Live Length: 100 - 3000
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 100°C
 Tube/Braid/Ring: Stainless Steel 304 (BS EN 10088-1)
 Stopper Ring: Cast Iron
 Flange: Mild Steel

NK-3000EX - Both Fixed Flange Type Flexible Metal Hose



Size: DN20 - 350
 Live Length: 200 - 1000
 Working Pressure: 25 bar
 Working Temp.: -10 ~ 100°C
 Tube/Braid/Ferrule: Stainless Steel 304 (BS EN 10088-1)
 Flange: Carbon Steel

NK-7900EX - Metallic Expansion Joint



Size: DN25 - 300
 Working Pressure: 16 bar / 25 bar
 Working Temp.: -10 ~ 100°C
 Outer Bellow: Stainless Steel 304 (BS EN 10088-1)
 Inner Bellow: Stainless Steel 316L (BS EN 10088-1)
 Inner Sleeve: Stainless Steel 304 (BS EN 10088-1)
 Flange: Carbon Steel

STAD - Screw Type Balancing Valve with Measuring Points



Size: DN20 - 50
 Working Pressure: 25 bar
 Working Temp.: < 120°C
 Body/Bonnet/Spindle: Ametal®
 Handwheel: Polyamide and TPE

AMETAL® is the dezincification resistant alloy of IMI Hydronic Engineering.

STAF - Flanged Type Balancing Valve with Measuring Points



Size: DN65 - 150
 Working Pressure: 16 bar
 Working Temp.: < 120°C
 Body: Cast Iron
 Bonnet/Spindle: Ametal®
 Handwheel: Polyamide

AMETAL® is the dezincification resistant alloy of IMI Hydronic Engineering.

STAF-SG - Flanged Type Balancing Valve with Measuring Points



Size: DN200 - 400
 Working Pressure: 16 bar
 Working Temp.: < 120°C
 Body/Bonnet: Ductile Iron
 Spindle: Ametal®
 Handwheel: Aluminum

AMETAL® is the dezincification resistant alloy of IMI Hydronic Engineering.

STAP - Differential Pressure Controller (DN15 - 50)



Size: DN15 - 50
 Working Pressure: 16 bar
 Working Temp.: -20 ~ 120°C
 Max. DP: 250 kPa
 Body/Bonnet/Spindle: Ametal®
 Membrane: HNBR rubber
 Handwheel: Polyamide

STAP - Differential Pressure Controller (DN65 - 100)



Size: DN65 - 100
 Working Pressure: 16 bar
 Working Temp.: -10 ~ 120°C
 Max. DP: 350 kPa
 Body: Cast Iron
 Bonnet/Spindle: Ametal®
 Membrane: Reinforced EPDM
 Handwheel: Polyamide



TA-Modulator - Pressure independent balancing and control valve

(PIBCV)

Size: DN15 - 50
 Working Pressure: 16 bar
 Working Temp.: -20°C ~ 120°C (DN15 - 32) ; -10°C ~ 90°C (DN40 - 50)
 Max. DP: 400 kPa ; Min. DP: 23kPa
 Body: Ametal®
 Membrane: EPDM



TA-Modulator - Pressure independent balancing and control valve

(PIBCV)

Size: DN65 - 150
 Working Pressure: 16 bar / 25 bar
 Working Temp.: -20°C ~ 120°C
 Max. DP: 800 kPa ; Min. DP: 30kPa
 Body: Ductile Iron
 Membrane: Reinforced EPDM



TA-Slider 160 I/O - Digitally Configurable Proportional Push Actuator

Modulating type; supply 24VAC / VDC
 Input signal 0(2) ~ 10VDC
 Adjusting force: 160/200N
 Ingress protection: IP54 (all directions)
 Cable: 1, 2, or 5m. With wire end sleeves
 (Use in DN 15 - 32mm of TA-Modulator)



TA-Slider 500 I/O - Digitally Configurable Proportional Push Actuator

Modulating type; supply 24VAC / VDC
 Input signal 0(2) ~ 10VDC
 Adjusting force: 500/300N
 Ingress protection: IP54 (all directions)
 Cable: 1, 2, or 5m. With wire end sleeves.
 (Use in DN 40 - 50mm of TA-Modulator)



TA-Slider 750 - Digitally Configurable Proportional Push Actuator

Modulating type; supply 24VAC / VDC
 Input signal 0(2) ~ 10VDC
 Adjusting force: 750N
 Ingress protection: IP54 (all directions)
 (Use in DN 65 - 125mm of TA-Modulator)

Star Gauge - S42



Size: 100mm
Case Type B
Connection: G 3/8B
Accuracy (+/-FS): 1.6
Pressure Range: 0 - 10 MPa
Exterior: Case, Window, SPC, Electrodeposition coating: Black

Star Gauge - S42 with Red Pointer



Size: 100mm
Case Type B
Connection: G 3/8B
Accuracy (+/-FS): 1.6
Pressure Range: 0 - 10 MPa
Exterior: Case, Window, SPC, Electrodeposition coating: Black

Star Gauge - S-42 Compound Gauge (Vacuum)



Size: 100mm
Case Type B
Connection: G 3/8B
Accuracy (+/-FS): 1.6
Pressure Range: -0.1 - 2.5 MPa
Exterior: Case, Window, SPC, Electrodeposition coating: Black

Thermo Meters - S Type-208 (Sensing Part: 50mm)



Temperature Range: 0 ~ +50°C / 0 ~ +100°C
Increment/Gradation: 1°C / 2°C
Mounting Screw: Union Type R 1/2 ; Fixed G 1/2
Buld Material: C3604BD & C2700T (Chrome Plating)
Length of temp. sensing part: 50mm

Thermo Meters - S Type-208 (Sensing Part: 100mm)



Temperature Range: 0 ~ +50°C / 0 ~ +100°C
Increment/Gradation: 1°C / 2°C
Mounting Screw: Union Type R 1/2 ; Fixed G 1/2
Buld Material: C3604BD & C2700T (Chrome Plating)
Length of temp. sensing part: 100mm



SPV SERIES



SPLV SERIES



SPU, SPB, SPC, SPD SERIES



SPE, SPI, SPS SERIES



SUPERPOWER PUMPING ENGINEERING CO., LTD

G/F., Times Tower, 928-930 Cheung Sha Wan Road, Kowloon, Hong Kong

Tel : 2746 4933 Fax : 2786 2307 Whatsapp  : 9720 8483

Email : info@sppump.com Website : www.sppump.com



ISO 9001



ISO 14001



OHSAS 18001



While the production techniques continue to improve, designs and materials used for the products may thus be varied from time to time. No further notice will be provided.

Rev. 10/2020