



CERGAS PROSES SDN BHD

FLOW

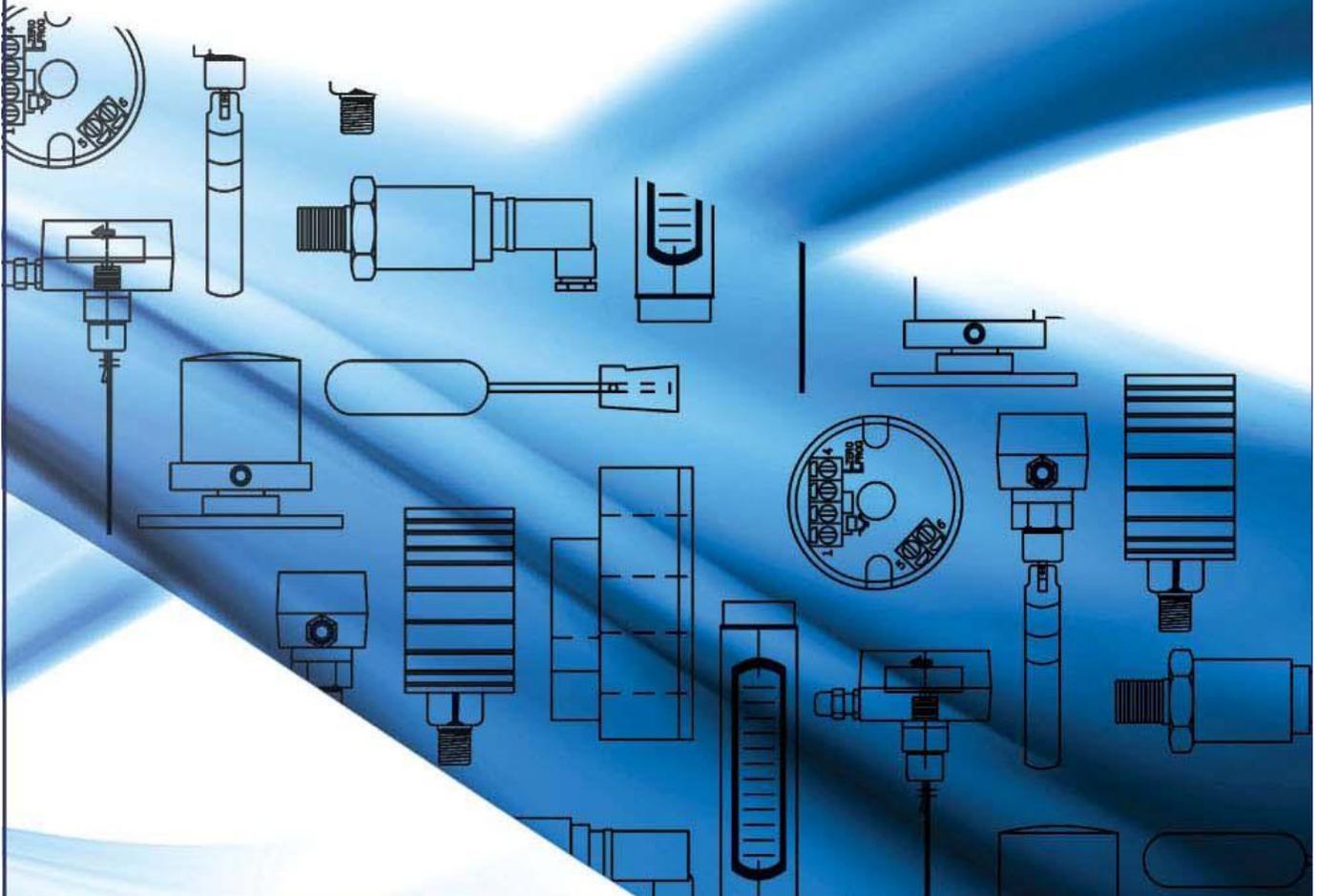
LEVEL

TEMPERATURE

PRESSURE

SYSTEM

VALVE



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SMART VALVE POSITIONER

Technical Data

- Full digital control, reliability, stability, small size and light weight.
- Convenient for adjustment by simple buttons.
- Simple function setting, convenient for the transform of positive action and counteraction, valve open and closing, linear type and rotary type.
- Intelligent control. It can give analysis, alarm and optimization when medium fluctuation, span excess, actuator leak occur.



PILOT SOLENOID VALVE, PLASTIC

Technical Data

Power supply
Power supply Uv
DC version 24V
AC version 24V, 120V, 230V
Perm. voltage tolerances $\pm 10\%$
Max. perm. ripple 20%

Power consumption
Normally closed (NC)
DC version 4.5W
AC version Pull in current 11.5W
Hold in current 8.5W

Normally open (NO)
DC version 6.8W
AC version 6.8W
Rating Continuously rated

Electrical connection
Standard Plug to DIN EN 175301-803 form A
M12 plug, cable socket
Option 3 m cable
ATEX version

DC coils are used for the AC version of normally open (NO) solenoid valves. For these AC applications with normally open (NO) valves a plug with an integrated bridge rectifier must be used (e.g. GEMU 1221 article no. 88256107)



ELECTRO - PNEUMATIC VALVE POSITIONER

Technical Data

- Pass CE authentication
- Pass explosion proof (Exia II CT6, Exd II CT6) authentication
- Pass IP66 authentication
- High anti-vibration (none effective in 5 - 200 Hz)
- The linking of air duct is perforated form, convenient for linking in all direction
- Convenient for the transform of positive action and counteraction
- 1/2 split range available by simple adjustments without changing parts
- Easy maintenance
- Simple structure for feedback connection
- Economical energy saving



PNEUMATIC / MOTORIZED METAL FLANGE BALL VALVE

Technical Data

Standard : GB, ANSI, DIN/EN, JIS
Rating : GB / T12224, PN10-PN40, GB/T12237
B16.34 CLASS 150 (BS5351 CLASS 150),
B16.34 CLASS 300 (BS5351 CLASS 300)
3357 PN 10-PN40, EN 12516
B2001 10K, B2001 20K

Face to face : GB/T12221
B16.10, BS2080
3202 F4/F18, 3202 F1/F17
B2002 10K Form 6, B2002 20K Form 10

Connection Facing : GB/T9113.1
B16.5RF serrated Finish (Ra 3.2-Ra 6.3), BS1560 Part 2 RF
2501/1 PN10-PN40, Facing DIN 2526 Form C
B2212 10K, B2214 20K

Inspection & Testing : GB/T13927
API 598 and API 6D
3230/3, EN 12266
JIS B2003

Fire Safe : API 607 4th edition 1993
Quality Assurance : ISO 9001, AD-WO / TRD 100, PED 97/23/EC CE 0036
Size : DN6 - DN 100



BUTTERFLY VALVE METAL

Technical Data

- Suitable for inert and corrosive* gaseous and liquid media in the chemical industry and in water treatment
- Seal material TFMTM (FDA 21CFR 177.1550)
- Installation length acc. to ISO 5752/20, EN 558-1/20
- Top flange acc. to EN ISO 5211
- Max. operating pressure 6/10 bar
- Connection standards PN 10, PN 16, ANSI cl. 150
- Leak test acc. to. EN 12266-1/P12 leakage rate S
- The butterfly valve complies with the safety requirements of Annex I of the European Pressure Equipment Directive 97/23/EC for fluids of group 1 and 2
- ATEX complaint version for explosion endangered areas of group II, zones 0, 1, 2 (or 20, 21 and 22) available. Size DN40 -900ml
- **Size** : DN 50 - DN 2000



PNEUMATIC / MOTORIZED METAL THREADED TYPE BALL VALVE

Technical Data

Design : ASME B16.34, API 608
Wall Thickness : ASME B 16.34 CLASS 400
Pipe Thread : ASME B2.20.1, BS21
DIN 2999/259, BSP
ISO 7/1, ISO 228/1
JIS B 0203

Butt Weld : ASME B 16.25
Ø B2 Available in Sch 10, 20 & 40

Socket Weld : ASME B16.11
Flange End : ASME B16.5
DIN 2542 --2545
JISB 2238

Inspection & Testing : API 598 EN 12266
Working Pressure : 1000 psig at 100°F (38°C)
Temperature Range : -30°F to 350°F (-34°C to 177°C)





PNEUMATIC DIAPHRAGM CONTROL VALVE

Technical Data

Nominal Size : DN20 - 200mm

Nominal Pressure : 1.6 - 10.0Mpa

Flange Standard : PN, ANSI, JIS

Body Material : WCB, CF8M, other material on request

Leakage Class : ANSI IV / V / VI

Temperature Range : -196°C ~ +560°C



GEMU METAL DIAPHRAGM VALVE MANUALLY OPERATED

Technical Data

Body Configuration : 2/2 - way

Nominal Size : DN15 - 300

Working Pressure : 0 - 10bar

Ambient Temp : 60degC

Diaphragm Material : CSM, NBR, FPM, EPDM, PTFE

Valve Body Material : Cast Iron / Hard Rubber Lined / PFA Lined / PP lined / Halar Coated

Connection : Threaded Connection, Flanges ANSI, Flanges BS, Flanges EN 1092



SELF OPERATION PRESSURE REGULATING CONTROL VALVE

Technical Data

Quick Open

Nominal Size : DN20 - 300mm

Nominal Pressure : ANSI 150 - 600lbs

Flange Standard : ANSI

Leakage Class : ANSI <VI

Temperature Range : -20°C ~ +350°C



GEMU METAL BODY DIAPHRAGM VALVE PNEUMATICALLY OPERATED

Technical Data

Body Configuration : 2/2 - way

Nominal Size : DN15 - 80

Working Pressure : 0.5 - 10bar

Valve Body Material : PVC-U, grey, ABS, PP, PVDF

In-liner PPH : Natural, In-liner PPH - grey acc. to RAL 7032

Diaphragm Material : CSM, NBR, FPM, EPDM

Control Function : Closed by control medium, opened by spring tension

: Closed by control medium, opened by working medium

Connection : Spigots, Union Ends



SELF-OPERATION TEMPERATURE REGULATING VALVE

Technical Data

Nominal Size : DN15 - 150mm

Leakage Standard : III, IV

Max Temperature : -20°C ~ +350°C

It is fit for the oil, water, Combustible Gas.



GEMU PVC BODY DIAPHRAGM VALVE PNEUMATICALLY OPERATED

Technical Data

Body Configuration : 2/2 - way

Nominal Size : DN12 and DN15

Working Pressure : 0 - 6bar

Valve Body Material : PVC-U, grey, PVDF, PP

O-ring Material : EPDM / FPM

Diaphragm Material : NBR, FPM, PTFE / EPDM

Connection : Threaded, Union, Spigots





3 - PC 2000WOG MOUNTING PAD, FULL PORT BALL VALVE

Technical Data

Design : ASME B16.34, API 608
Wall Thickness : ASME B 16.34 CLASS 800
Pipe Thread : ASME B2.20.1, BS21
 DIN 2999/259, BSP
 ISO 7/1, ISO 228/1
 JIS B 0203
Butt Weld : ASME B 16.25
 ØB2 Available in Sch 10, 20 & 40
Socket Weld : ASME B16.11
Flange End : ASME B16.5 CLASS 600
 DIN 2542 ~2545 PN 100
 JISB 2238 40K
Inspection & Testing : API 598 EN 12266
Working Pressure : 1500 psing at 100°F (38°C)
Temperature Range : -30°F to 350°F (-34°C to 177°C)
Size : 1/4" - 2"



PLASTIC BUTTERFLY VALVE

Technical Data

- Pressure rating :** 2'~10" 150 PSI, 12"100 PSI, 14, 16" 86 PSI, 18"72 PSI, 20"~24" 51 PSI
 (Standard stem : SUS 410+heat process.
 The stem of SUS 304, or SUS 316, or SUS 316L the working pressure is lower)
- Lower torque and seal hermetically
- Low flow loss
- The opening angle of the disc could be seen clearly through the arrow on top of the gear box
- Ideally suited in a limited piping space
- Easy to mount actuator with flat zone design at the top of valve
- Pneumatic actuator specification meets with ISO 5211, VDI / VDE 3845, DIN 3337, NAMUR, easy to assemble solenoid valve, limit Switches and accessories
- Pneumatic actuator max, Air Supply pressure 8kg/cm², min.air pressure 5kg/cm²
- Electric actuator operation voltage 1-phase 110/220V 3-phase 220/380/460V
- Electric actuator could manually operate w/o clutch and break

Size : DN 50 - DN 600



3 and 4 - WAY 1000WOG, REDUCED PORT / FULL PORT BALL VALVE

Technical Data

Design : ASME B16.34, API 608
Wall Thickness : ASME B 16.34 CLASS 300
Pipe Thread : ASME B2.20.1, BS21
 DIN 2999/259, BSP
 ISO 7/1, ISO 228/1
 JIS B 0203
Inspection & Testing : API 598 EN 12266
Working Pressure : 1000 psing at 100°F (38°C)
Temperature Range : -30°F to 350°F (-34°C to 177°C)
Size : 1/4" - 2" (Threaded), 1/2" - 4" (Flanged)



WAFER TYPE CARBON STEEL DUAL PLATE CHECK VALVES OF RETAINERLESS TYPE METAL SEAT

Technical Data

Wall Thickness : AP1594
Face to face : AP1594
Inspection Standard : API 1598
Suit For : B16.1 & MSS-SP44
Mounting : Wafer / Lug
Material : WEB 216 / A351 / CF8M
Size : 1 1/2" - 24"



DOUBLE UNION BALL VALVE

Technical Data

- Pressure rating :** 150 PSI @ 73.4°F (23°C)
- Full port design
- Adjustable seat tightness
- Easy to disassemble by handle
- Less on-line down time for replacement / maintenance
- Actuator could be installed with inserted nut
- Standard Product is without nut
- Pneumatic actuator specification meets with ISO 5211, DIN 3337, VDI / VDE 3845, NAMUR easy to assemble solenoid valve, limit Switches and accessories
- Pneumatic actuator max, Air Supply pressure 8kg/cm², min.air pressure 4kg/cm²
- Electric actuator operation voltage 1-phase 110/220V 3-phase 220/380/460V
- Electric actuator could manually operate w/o clutch and break

Size : DN 15 - DN 100



BUTTERFLY VALVE DN50-800

Technical Data

Body construction : E1 Wafer, E3 Lug
Face to face dimension : according to ISO 5752/20, EN558-1/5, BS 5155/4
Top flange : according to EN ISO 5211
Rating : PN10/16/25/40, ANSI cl. 150
 ANSI cl. 300 (DN50-300)
Tightness : TG/TI : Gas tightness according to EN 12266-1/P12 leakage rate A / API 598
 IN: Gas tightness according to API 598



ATEX option : Execution according to ATEX 94/9/EC, Zone 1 and 21 – Gr II, Cat. 2 G/D The butterfly valves ELARA meet the safety requirements of the pressure Equipments Directive 97/23/EC (PED) appendix 1 for fluids of the =groups 1 and 2.



NK SERIES RACK & PINION TYPE (CE-ATEX Certified and PED compliant)

Technical Data

- 14 models, the output torque from 9Nm (80in.ibs) to 3,920Nm (34,660in.ibs) at 6 bar air supply.
- ISO5211 / DIN 3337 for the valve connection, VCI / VDE 3485 (Namur) standard connection for solenoid valve and shaft top end (limit switchbox or E/P positioner)
- +/- 5 degree stroke adjustment 25--30um standard hard anodized treatment on actuator body over 120um epoxy coated on end caps which meet ASTM B117 qualification (salt spread test over 1.000 hours and no corrosion). PTFE, Polyester, Nickel, Ceramic and Epoxy coated are available on request.



CSA, FM

- Class I: Zone 1
- Ex m II: AEx m II
- Class I: Division 1: Groups A,B,C and D
- Class II: Group E, F, G
- Class III
- Tested according to CAN / CSA-E79-0-95 and CSA-E79-18-95 for CSA, according to ANSI / ISA -S12.00.01-1999 and ANSI / ISA-S12.23.01-1998 for FM

NSF SERIES SCOTCH YOKE TYPE PNEUMATIC AND HYDRAULIC ACTUATORS (CE-ATEX Certified and PED compliant)

Technical Data

The output torque from 1,660Nm (14,690in.ibs) to 226,200Nm (2,001,870in.ibs) at 6 bar air supply. Anti-corrosion painting on outer body and cylinder as standard. VDI / VDE 3845 (Namur) standard connection for shaft top end (limit switchbox or E/P positioner), +/- 10 degree stroke adjustment. ISO5211 standard for valve connection. PTFE coated on inner cylinder surface. Hydraulic manual override is available for big size actuator.



NTE SERIES ELECTRIC ACTUATOR, CE APPROVAL

Technical Data

10 models and the output torque from 18Nm (159in.ibs) to 2,500Nm (22,128in.ibs), compact design, die-casting aluminum alloy housing, allow steel with heat treatment gear driving unit, integral wormgear & drive shaft, 30% duty rating, detachable crank handle, ISO5211 (option), IP68 enclosure.



NTE II SERIES ELECTRIC ACTUATOR, CE APPROVAL DUAL POWER : 12~24 VAC / DC OR 85~265 VAC / VDC, MODULE-IN DESIGN & ENCAPSULATED CONTROL PACK

Technical Data

10 models and output torque from 18Nm (159in.ibs) to 2,000Nm (17,700in.ibs), compact design, die-casting aluminum alloy housing, allow steel with heat treatment gear driving unit, integral wormgear & drive shaft, 30% duty rating, detachable crank handle, ISO5211 (option), IP68 enclosure.



Option Functions:

- Integral Local Control Unit
- Infrared non-intrusive calibration
- LCD display (2lines, 15 character)
- Electronic over-torque protection
- Electronic limitation at open & close position and the others.

NTQ ELECTRIC ACTUATOR, CE APPROVAL (IP67 & EExdIIIBT4 enclosure)

Technical Data

10 models, the output torque from 100Nm (885in.ibs) to 3,000Nm (26,550in.ibs), de-clutchable manual override, 2xSPDT each for open & close, torque switch:1xSPDT each for open & close, space heater, self lock, IP67 & EExdIIIBT4 enclosure.



THE FULLY RANGE ACCESSORIES (Limit Switchbox, Solenoid Valve, Detachable Manual Override, Air Filter regulator, E/P Positioner --- etc)

