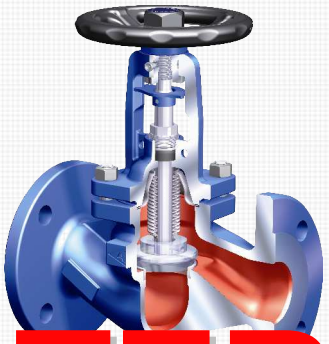
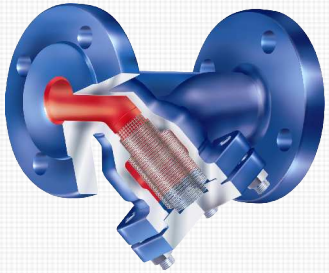
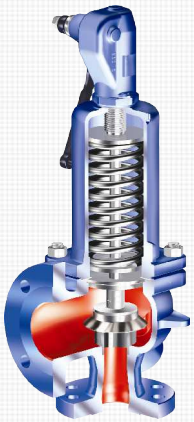


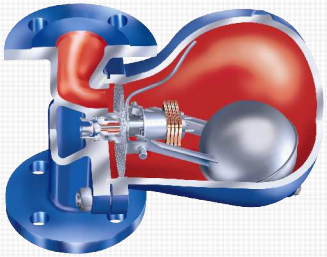
ARI ARMATUREN

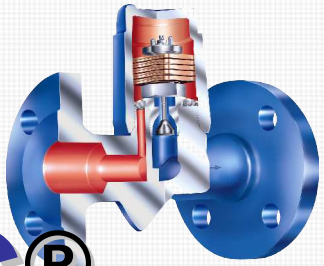












TERMODINAMIC®

Armături şi automatizări industriale pentru rețele de apă, abur, termoficare, fluide petochimice etc.

STAR LINE

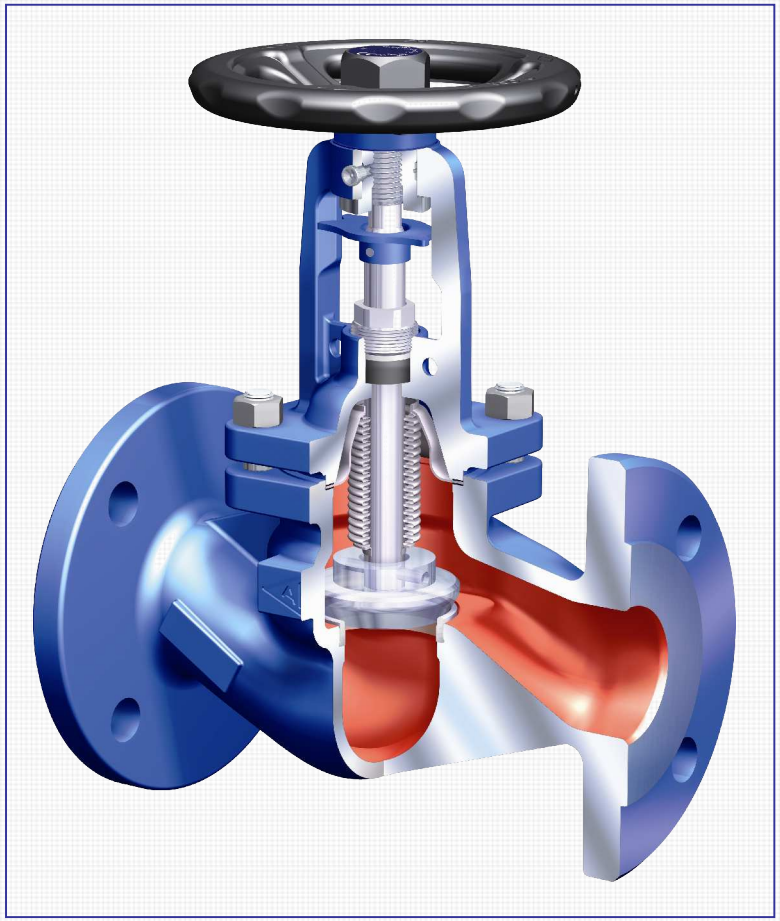






Danfoss

Robinete cu ventil cu etansare la tija cu burduf
ARI Armaturen, tip FABA Plus



Materiale:

- fonta cenusie GG25
  - T_{max} = 300°C;
  - DN 15…300mm;
  - PN 16;
- fonta ductila GGG40
  - T_{max} = 350°C;
  - DN 15…350mm;
  - PN 16 / 25;
- otel 1.0619+N
  - T_{max} = 450°C;
  - DN 15…400mm;
  - PN 25 / 40;
- otel forjat 1.0460
  - T_{max} = 450°C;
  - DN 15…50mm;
  - PN 40;
- inox 1.4408
  - T_{max} = 400°C;
  - DN 15…250mm;
  - PN 16 / 25 / 40;

Conexiuni:

- Flanse DIN / ANSI
- Capete sudura
- Filet

Tipuri constructive:

- Drept
- Colt (90°)
- Inclinat (Y)

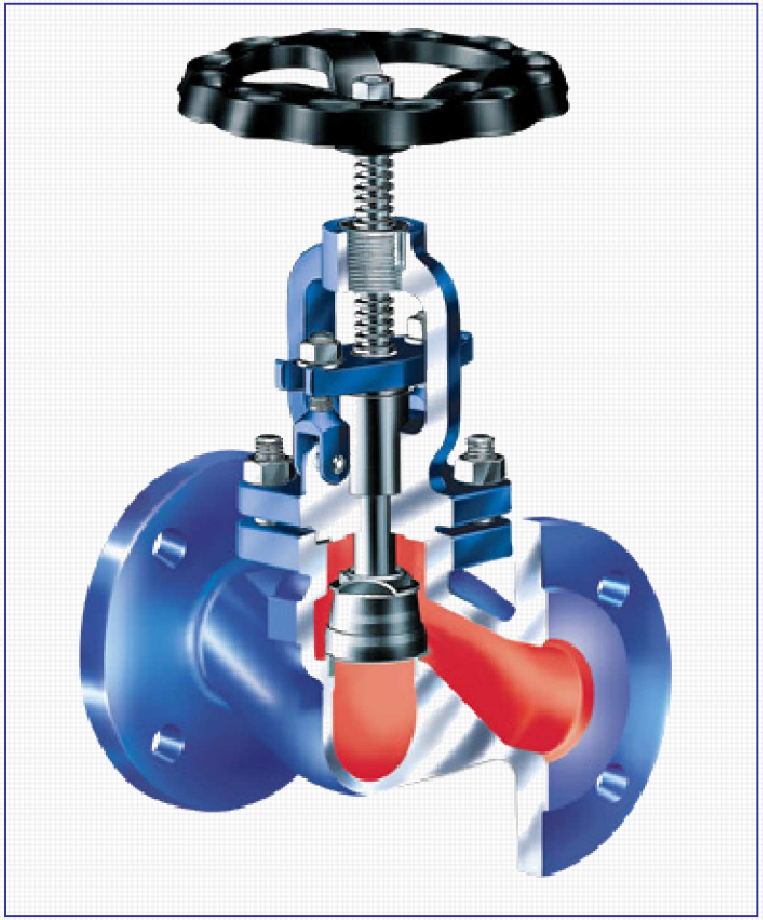
Fara intretinere

Certificate:

- German “TA-Luft” TUV
- EN 10204-2.2
- EN 10204-3.1 (la cerere)
- DIN-DVGW

Aplicatii si optiuni diverse

Robinete cu ventil cu etansare la tija cu presetupa
ARI Armaturen, tip STOBU



Materiale:

- fonta cenusie GG25
  - T_{max} = 300°C;
  - DN 15…300mm;
  - PN 16;
- fonta ductila GGG40
  - T_{max} = 350°C;
  - DN 15…350mm;
  - PN 16 / 25;
- otel 1.0619+N
  - T_{max} = 450°C;
  - DN 15…500mm;
  - PN 25 / 40;
- otel forjat 1.0460
  - T_{max} = 450°C;
  - DN 15…50mm;
  - PN 40;
- inox 1.4408
  - T_{max} = 400°C;
  - DN 15…250mm;
  - PN 16 / 25 / 40;

Conexiuni:

- Flanse DIN / ANSI
- Capete sudura
- Filet

Tipuri constructive:

- Drept
- Colt (90°)
- Y

Fara intretinere

Certificate:

- German “TA-Luft” TUV
- EN 10204-2.2
- EN 10204-3.1 (la cerere)

Aplicatii si optiuni diverse

Robinete clapa-fluture
ARI Armaturen, tip ZESA / GESA



Materiale:

- fonta ductila GGG40
- disc inox 1.4581
- Etansare (garnitura):
  - EPDM (T_{max} = 130°C);
  - NBR (T_{max} = 80°C);
  - FPM - Viton (T_{max} = 150°C);

Tip wafer / lug;
DN 20…500mm;
PN 6/10/16;

Actionari:

- Manuala – cu levier / reductor
- Electrica – 380V/3x50Hz ; 230V/50Hz ; 24V AC/DC
- Pneumatica – simplu / dublu efect

Aplicatii, optiuni si accesorii diverse

Robinete clapa-fluture cu garnitura inlocuibila
ARI Armaturen, tip ZIVA



Materiale:

- fonta ductila GGG40
- disc inox 1.4581
- Etansare (garnitura):
  - EPDM (T_{max} = 130°C);
  - NBR (T_{max} = 80°C);
  - FPM - Viton (T_{max} = 150°C);

Tip wafer / lug;

DN 20…600mm;

PN 6/10/16;

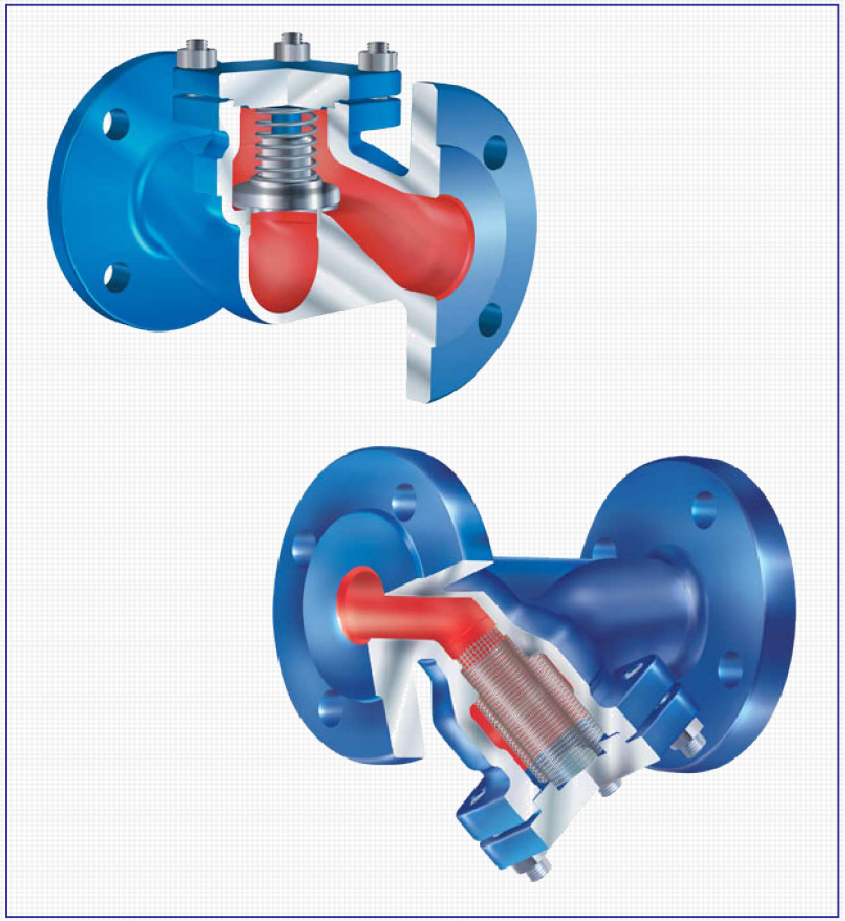
Actionari:

- Manuala – cu levier / reductor
- Electrica – 380V/3x50Hz ; 230V/50Hz ; 24V AC/DC
- Pneumatica – simplu / dublu efect

Certificat DVGW pentru apa (EPDM) si gaze (NBR)

Aplicatii, optiuni si accesorii diverse

Clapete de sens si filtre de impuritati
ARI Armaturen



Clapete de sens

Materiale:

- fonta cenusie GG25
  - Tmax = 300ºC;
  - DN 15…300mm;
  - PN 16;
- fonta ductila GGG40
  - Tmax = 350ºC;
  - DN 15…350mm;
  - PN 16 / 25;
- otel 1.0619+N
  - Tmax = 450ºC;
  - DN 15…500mm;
  - PN 25 / 40;
- otel forjat 1.0460
  - Tmax = 450ºC;
  - DN 15…50mm;
  - PN 40;
- inox 1.4408
  - Tmax = 400ºC;
  - DN 15…200mm;
  - PN 16 / 25 / 40;

Conexiuni:

- flanse / capete sudura

Filtre de impuritati

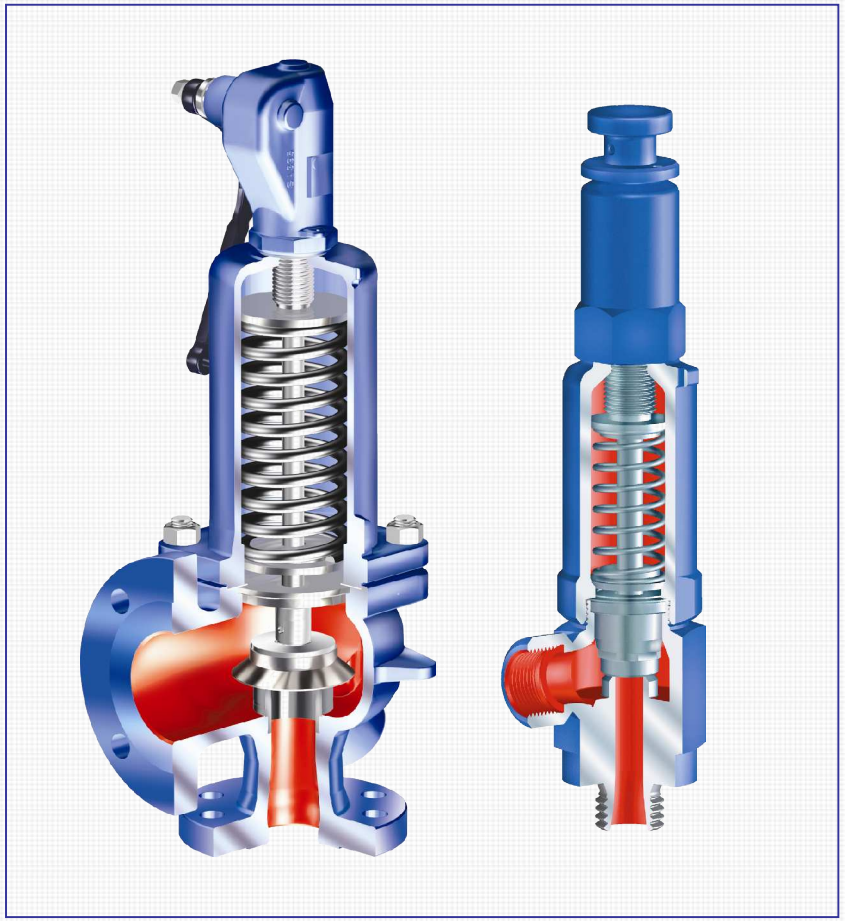
Materiale:

- fonta cenusie GG25
  - Tmax = 300ºC;
  - DN 15…300mm;
  - PN 16;
- fonta ductila GGG40
  - Tmax = 300ºC;
  - DN 15…350mm;
  - PN 16 / 25;
- otel 1.0619+N
  - Tmax = 450ºC;
  - DN 15…300mm;
  - PN 25 / 40;
- inox 1.4408
  - Tmax = 400ºC;
  - DN 15…200mm;
  - PN 16 / 25 / 40;
- Sita inox 1.4408

Conexiuni:

- flanse / capete sudura

Supape de siguranta
ARI Armaturen, tip SAFE, SAFE P/TC/TCP/TCS



Tip SAFE / SAFE P

Materiale:

- fonta cenusie GG25
  - Tmax = 300ºC;
  - DN 20…150mm;
  - PN 16;
- fonta ductila GGG40
  - Tmax = 350ºC;
  - DN 20…100mm;
  - PN 40;
- otel 1.0619+N
  - Tmax = 450ºC;
  - DN 20…150mm;
  - PN 40;
- inox 1.4408
  - Tmax = 400ºC;
  - DN 20…100mm;
  - PN 40;

Conexiuni:

- flanse DIN / ANSI

Aplicatii si optiuni diverse

Tip SAFE TC/TCP/TCS

Materiale:

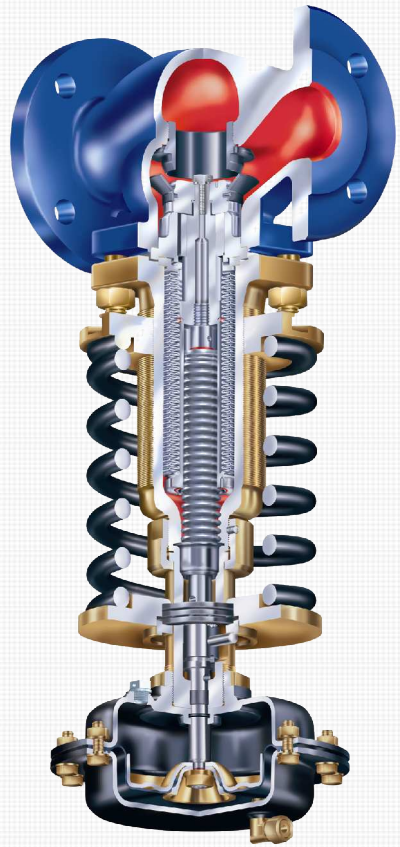
- fonta ductila GGG40
  - Tmax = 350ºC;
  - G1/2”…G1”;
  - PN 40 / 100;
- inox 1.4408 / 1.4581
  - Tmax = 400ºC;
  - G1/2”…G1”;
  - PN 40 / 100;

Conexiuni:

- Filet

Aplicatii si optiuni diverse

Reductor de presiune
ARI Armaturen, tip PREDU



Materiale:

- fonta cenusie GG25
  - Tmax = 300°C;
  - DN 15…100mm;
  - PN 16;
- fonta ductila GGG40
  - Tmax = 350°C;
  - DN 15…100mm;
  - PN 16 / 25;
- otel 1.0619+N
  - Tmax = 450°C;
  - DN 15…100mm;
  - PN 40;

- Diafragma NBR / EPDM

Conexiuni:

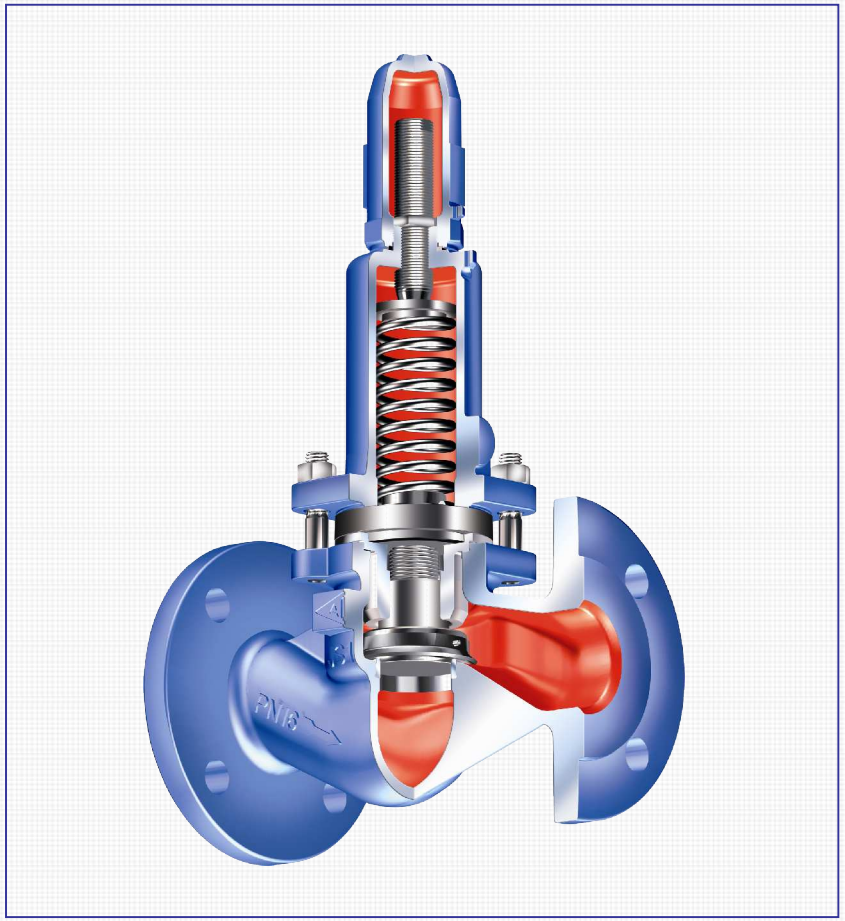
- flanse DIN / ANSI

Vana inchide la cresterea presiunii

Presiune redusa:

- 0,2…0,6 bar (DMA 400);
- 0,5…1,2 bar (DMA 250);
- 0,8…2,5 bar (DMA 160);
- 2,0…5,0 bar (DMA 80);
- 4,5…10,0 bar (DMA 40);
- 8,0…16,0 bar (DMA 40);

Regulator de presiune cu arc
ARI Armaturen, tip PRESO



Materiale:

- fonta cenusie GG25
  - Tmax = 300°C;
  - DN 15…100mm;
  - PN 16;
- fonta ductila GGG40
  - Tmax = 350°C;
  - DN 15…100mm;
  - PN 16;
- otel 1.0619+N
  - Tmax = 450°C;
  - DN 15…100mm;
  - PN 16;
- Inox 1.4408
  - Tmax = 450°C;
  - DN 15…100mm;
  - PN 16;

Conexiuni:

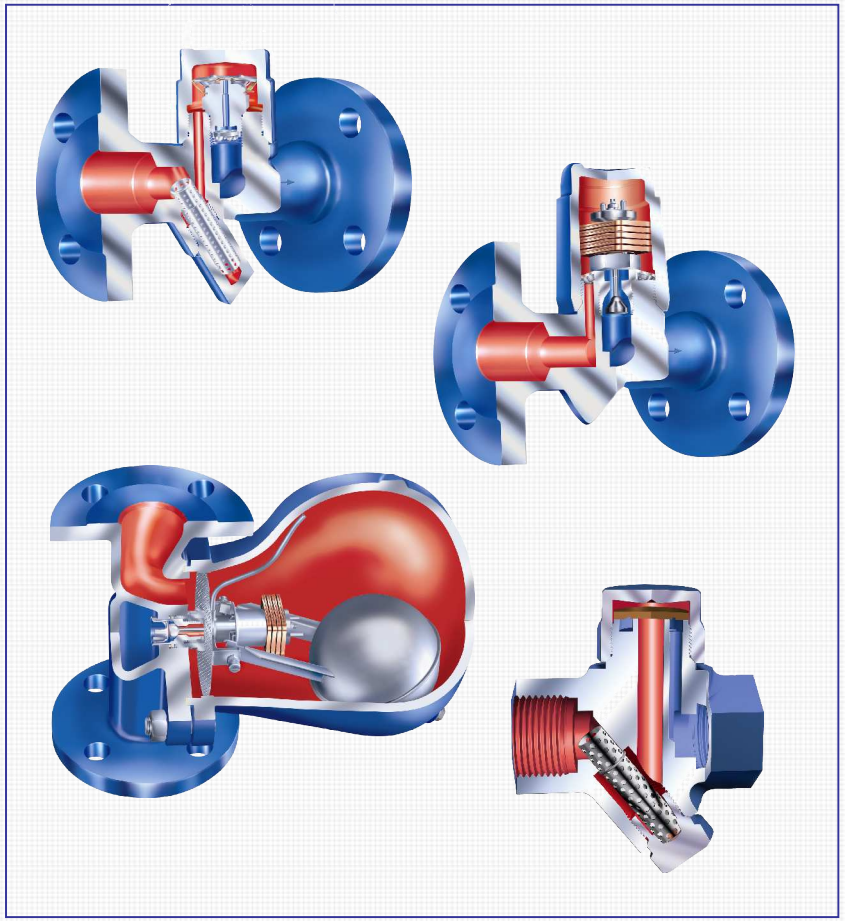
- flanse DIN

Vana deschide la cresterea presiunii

Presiune redusa:

- 0,5…1,5 bar;
- 1,0…3,0 bar;
- 2,0…5,0 bar;
- 4,0…10,0 bar;

Oale de condens
ARI Armaturen, tip CONA B / M / S / TD



ARI ARMATUREN

Oale de condens cu bimetal ARI CONA B

DN 15…50
PN 16…630
Conexiuni:
- Flanse
- Filet
- Capete sudura
- Mufe pentru sudura

Materiale:
- GGG40, 1.0460, 16Mo3, 1.4541,13CrMo4-5, 10CrMo9-10, X10CrMoVNb9-1

Oale de condens cu plutitor ARI CONA S

DN 15…100
PN 16…160
Conexiuni:
- Flanse
- Filet
- Capete sudura
- Mufe pentru sudura

Materiale:
- GGG40, 1.0460, 16Mo3, 1.4541,13CrMo4-5

Oale de condens termostatice ARI CONA M

DN 15…50
PN 16…40
Conexiuni:
- Flanse
- Filet
- Capete sudura
- Mufe pentru sudura

Materiale:
- GGG40, 1.0460, 16Mo3

Oale condens termodinamice ARI CONA TD

DN 15…25
PN 40, 63
Conexiuni:
- Flanse
- Filet
- Capete sudura
- Mufe pentru sudura

Materiale:
- 1.0460, 16Mo3, 1.4541

Robinete de relgare
ARI Armaturen, tip STEVI



Materiale:
- Fonta GG25
- Fonta GGG40
- Otel 1.0619+N

Actionari electrice/pneumatice

Constructie:
- 2 cai
- 3 cai (amestec / separare)

DN 15…500

PN 16 / 25 / 40

Aplicatii, optiuni si accesorii multiple

ARI ARMATUREN

Control industrial de la Danfoss



- **Presostate, Presostate diferentiale**
- **Termostate, Termostate diferentiale**
- **Traductoare de presiune si temperatura**
- **Ventile electromagnetice**
- **Ventile pneumatice**
- **Vane termostatice**
- **Contactoare**

Danfoss

Control industrial de la Danfoss
- Presostate -



- **Domenii de reglaj: -1 … 400 bar**
- **Diferential (histerezis): fix sau reglabil**
- **Conexiuni proces: G1/4A, G3/8A, G1/2A**
- **Tip conexiune: filet, flansa**
- **Contacte: SPDT, TPST (Ag / Au)**
- **Resetare: automata sau manuala**
- **Modele: KP/KPI, RT, CAS, CS, KPS, MBC**
- **Protectie: IP33, 43, 55, 65, 66, 67, ATEX**
- **Pentru majoritatea tipurilor de aplicatii**
- **Optiuni si accesorii multiple**

Control industrial de la Danfoss
- Termostate -



- **Domenii de reglaj: -10 … 300ºC**
- **Diferential (histerezis): fix sau reglabil**
- **Variante:**
  - **Cu senzor de camera**
  - **Cu senzor rigid**
  - **Cu tub capilar: 2 / 3 / 5m**
- **Tip conexiune: filet, flansa**
- **Contacte: SPDT (Ag / Au)**
- **Modele: KP, KPS, RT MBC**
- **Protectie: IP 30, 54, 66, 67, ATEX**
- **Pentru majoritatea tipurilor de aplicatii**
- **Optiuni si accesorii multiple**

Control industrial de la Danfoss
- Traductoare de presiune -



- **Domenii de reglaj: -1 … 600 bar**
- **Conexiuni proces: G1/4A, G1/2A, G1A**
- **Tip conexiune: filet, flansa**
- **Semnal iesire: 4…20mA, 0…10V**
- **Variante: standard, cu diafragma, pulse snubber**
- **Precizie: ± 0,1 / ± 0,2 / ± 0,3 / ± 0,5 FS**
- **Modele: MBS 33 / 33M, MBS 3000, MBS 4010, MBS 4510, MBS 5100 / 5150, EMP2**
- **Pentru majoritatea tipurilor de aplicatii**
- **Optiuni si accesorii multiple**

Control industrial de la Danfoss
- Ventile electromagnetice -



- **Conexiuni:**
  - G1/8” … G2” – filet
  - DN 65 … DN 100 - flanse
- **Variante:**
  - cu actionare directa
  - servoasistate
  - cu actioanre combinata
- **Tip constructiv:**
  - Normal inchis / Normal deschis
  - 2/2 sau 3/2 cai
- **Materiale**: alama / alama DZR / bronz / fonta GG25
- **Etansari**: NBR / EPDM / FKM / PTFE
- **Modele**:
  - EV210A, EV220A, EV310A
  - EV210B, EV220B, EV225B, EV250B, EV310B
- **Bobine**:
  - Tip A – diametru interior: 9mm
  - Tip B – diametru interior: 13,5mm
  - Tensiuni: 12V, 24V, 48V, 110V, 115V, 220/230V, 250V, 380-400V
  - Protectie: IP00, 20, 43, 65, 67, ATEX
- **Optiuni si accesorii multiple**

Convertizoare de frecventa si soft-startere Danfoss



- **Domenii intre:**
  - **0,18 ... 1400 kW**
- **Tensiuni de alimentare:**
  - **1 x 200 ... 240V**
  - **3 x 200 ... 240V**
  - **3 x 380 ... 480V**
  - **3 x 525 ... 600V**
  - **3 x 525 ... 690V**
- **Modele:**
  - **VLT Micro Drive**
  - **VLT 2800 Series**
  - **VLT Automation Drive**
  - **VLT HVAC Drive**
  - **VLT AQUA Drive**
- **Accesorii, aplicatii si optionale diverse**

Robinete cu sfera pentru aplicatii speciale de la STAR LINE



STAR LINE

- **Robinete cu sfera pentru aplicatii speciale:**
  - **chimie, petrol, gaze, abur etc.**
- **Executie din oteluri forjate conform standarde:**
  - **BS5351 ; API 6D ; ASME/ANSI B16.34 ; API 607; API6FA**
- **PN 25...400 ; CLASS 150...2500 lbs**
- **DN 8...200 / 1/4"...8“**
- **T = -200...400 grd. C**
- **Conexiuni:**
  - **filet / sudura / flanse (DIN / BSPP / NPT / SW / RF-RTJ)**
- **Variante cu 3 cai - 1/4"...2 1/2“**
- **Etansare metal/metal pentru fluide vascoase sau abrazive**
- **Actionare manuala / pneumatica / electrica**

TERMODINAMIC® srl

Armaturi si automatizari industriale
pentru retele de apa, termoficare, abur,
gaze, fluide petrochimice etc.

Bucuresti, Str. Prof. Moise Nicoara, Nr. 36,
Bl. D2, Sc. A, Ap. 34, Sector 3

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