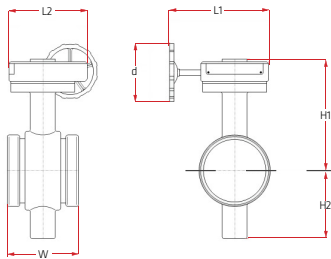


VALVES / Style 120 - 130

STYLE 120



GROOVED END BUTTERFLY VALVE WITH GEAR OPERATOR

Specifications
Size: DN50(2") - DN300(12")
Working Press.: 14 Bar / 200 psi
Max. Test Press.: 24 Bar / 350 psi
Working Temp.: Up to 90° Celsius

Material
Body: Ductile Iron Epoxy Powder Coated
Disc: Ductile Iron EPDM Encapsulated
Stem: Stainless steel AISI 410, Hardened & Tempered

GERIEFTE ABSPERRKLAPPE MIT ENDSCHALTER

Technische Daten
Nennweite: DN50(2") - DN300(12")
Arbeitsdruck: 14 Bar / 200 psi
Max. Druckprüfung: 24 Bar / 350 psi
Betriebstemp.: Bis max. 90° Celsius

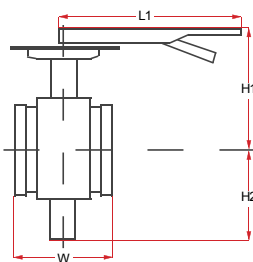
Werkstoffe
Gehäuse: Ductile Iron Pulver Beschichtet
Scheibe: Ductile Iron EPDM beschichtet
Welle: Gehärtete Edelstahl AISI 410

GEGROEFDE VLINDERKLEPPEN MET EINDSCHAKELAAR

Specificaties
Maat: DN50(2") - DN300(12")
Werkdruk: 14 Bar / 200 psi
Max. Testdruk: 24 Bar / 350 psi
Temperatuurbereik: tot max. 90° Celsius

Materiaal
Carrosserie: Brons ASTM A505, Red Brass ASTM B584
Schijf: Aluminum brons ASTM B148, Red brass ASTM B584, EPDM ingekapseld
Steel: Gehard Roestvrij staal AISI 410

STYLE 130



GROOVED END BUTTERFLY VALVE WITH HAND LEVER

Specifications
Size: DN50(2") - DN150(6")
Working Press.: 14 Bar / 200 psi
Max. Test Press.: 24 Bar / 350 psi
Working Temp.: Up to 90° Celsius

Material
Body: Ductile Iron Epoxy Powder Coated
Disc: Ductile Iron EPDM Encapsulated
Stem: Stainless steel AISI 410, Hardened & Tempered

GERIEFTE ABSPERRKLAPPE MIT HANDHEBEL

Technische Daten
Nennweite: DN50(2") - DN150(6")
Arbeitsdruck: 14 Bar / 200 psi
Max. Druckprüfung: 24 Bar / 350 psi
Betriebstemp.: Bis max. 90° Celsius

Werkstoffe
Gehäuse: Ductile Iron Pulver Beschichtet
Scheibe: Ductile Iron EPDM beschichtet
Welle: Gehärtete Edelstahl AISI 410

GEGROEFDE VLINDERKLEPPEN MET HENDEL

Specificaties
Maat: DN50(2") - DN150(6")
Werkdruk: 14 Bar / 200 psi
Max. Testdruk: 24 Bar / 350 psi
Temperatuurbereik: tot max. 90° Celsius

Materiaal
Carrosserie: Brons ASTM A505, Red Brass ASTM B584
Schijf: Aluminum brons ASTM B148, Red brass ASTM B584, EPDM ingekapseld
Steel: Gehard Roestvrij staal AISI 410

| Style | Nominal Size (Inches) | Pipe Outside Diam. | Dimensions | | | | | | Weight Kg. | Approvals |
|-------------------------------------|-----------------------|--------------------|------------|-------|-------|-------|-------|-------|------------|-----------|
| | | | L1 | L2 | W | H1 | H2 | d | | |
| Grooved End Gear Operator Style 120 | 2" / 50 | 60.3 | 204.0 | 146.0 | 81.0 | 151.0 | 71.0 | 95.0 | 5.54 | - |
| | 2½" / 65 | 76.1 | 204.0 | 146.0 | 96.4 | 156.0 | 84.8 | 95.0 | 6.35 | - |
| | 3" / 80 | 88.9 | 204.0 | 146.0 | 96.4 | 173.0 | 91.0 | 95.0 | 6.75 | - |
| | 4" / 100 | 114.3 | 204.0 | 146.0 | 115.4 | 206.0 | 109.0 | 125.0 | 8.10 | - |
| | 5" / 125 | 139.7 | 271.0 | 146.0 | 132.4 | 227.0 | 131.0 | 125.0 | 11.35 | - |
| | 6" OD | 165.1 | 271.0 | 146.0 | 132.4 | 240.7 | 145.0 | 125.0 | 13.10 | - |
| | 6" / 150 | 168.3 | 271.0 | 146.0 | 132.4 | 240.7 | 145.0 | 125.0 | 13.10 | - |
| | 8" / 200 | 219.1 | 302.0 | 160.0 | 147.4 | 263.0 | 170.0 | 225.0 | 19.40 | - |
| Grooved End Lever Handle Style 130 | 10" / 250 | 273.0 | 314.0 | 182.0 | 159.0 | 313.0 | 195.0 | 225.0 | 31.80 | - |
| | 12" / 300 | 323.9 | 280.0 | 182.0 | 165.0 | 340.0 | 242.0 | 225.0 | 35.40 | - |
| | 2" / 50 | 60.3 | 225.0 | - | 81.0 | 122.5 | 71.0 | - | 2.45 | - |
| | 2½" / 65 | 76.1 | 284.0 | - | 96.4 | 148.0 | 84.8 | - | 3.50 | - |
| | 3" / 80 | 88.9 | 284.0 | - | 96.4 | 154.5 | 91.0 | - | 3.70 | - |
| | 4" / 100 | 114.3 | 284.0 | - | 115.4 | 177.5 | 109.0 | - | 5.00 | - |
| | 5" / 125 | 139.7 | 284.0 | - | 132.4 | 198.5 | 131.0 | - | 8.80 | - |
| 6" OD | 165.1 | 284.0 | - | 132.4 | 212.2 | 145.0 | - | 10.10 | - | |
| 6" / 150 | 168.3 | 284.0 | - | 132.4 | 212.2 | 145.0 | - | 9.50 | - | |

GENERAL DESIGN DATA / Butterfly Valves Style 100 / 120 / 130 / 200 / 500
 ALLGEMEINE LEISTUNGSDATEN / Absperrklappen Typ 100 / 120 / 130 / 200 / 500
 ALGEMENE PRESTATIEGEGEVENS / Vliederkleppen Style 100 / 120 / 130 / 200 / 500

FLOW COEFFICIENT

Quikcoup butterfly valves have fine flow characteristics due to a narrow disc profile superior flow control and low torque operation.

Table no. 1 below depicts the flow factor (Kv) for flow of water at 16°C. and 1 Bar working pressure difference, with fully open disc.

| Nominal Size (Inches / DN) | Pipe Outside Diameter | Flow faktor (Kv) |
|----------------------------|-----------------------|------------------|
| 2" / 50 | 60.3 | 130 |
| 2½" / 65 | 76.1 | 240 |
| 3" / 80 | 88.9 | 333 |
| 4" / 100 | 114.3 | 720 |
| 5" / 125 | 139.7 | 1110 |
| 6" OD | 165.1 | 1380 |
| 6" / 150 | 168.3 | 1380 |
| 8" / 200 | 219.1 | 2850 |
| 10" / 250 | 273.0 | 4705 |
| 12" / 300 | 323.9 | 8210 |

STRÖMUNGSKOEFFIZIENT

Quikcoup Absperrklappen haben sehr gute Strömungseigenschaften Die schmale Scheibe ist so konzipiert, dass sie dem Medium nur wenig Widerstand leistet. Leichtes Handling durch niedriges Drehmoment am Handrad.

Tabelle Nr. 1 gibt die Werte für den Strömungsfaktor von Wasser bei 16°C. und 1 bar in einer vollständig geöffneten Position wieder.

STROMINGSCOËFFICIËNT

Quikcoup vliederkleppen hebben zeer goede stromingseigenschappen welke zijn toe te schrijven aan een smalle schijf een superieure stroomregeling en een lage bedieningskoppel.

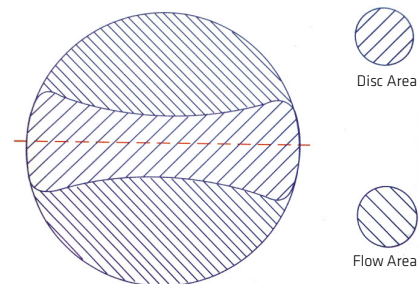
Tabel nr. 1 geeft de kernwaarden voor stromingsfactor van water bij 16°C. en 1 bar werkdrukverschil, in volledig open stand.

CROSS SECTION OPEN POSITION OF NOMINAL PIPE DIAMETER IN %

QUERSCHNITT : GEÖFFNETE POSITION DER ROHRNENNWEITE IN %

DOORSNEDE OPEN POSITIE VAN DE NOMINALE BUISDIAMETER IN %

| Butterfly Valve Style 100 (Grooved) Absperrklappe Typ 100 (Gerieft) Vliederklep Style 100 (Gegroeft) | | | | |
|--|-----------------------|----------------------|----------------------|----------------------|
| Nominal Size (Inches / DN) | Pipe Outside Diameter | Pipe mm ² | Disc mm ² | Flow mm ² |
| 2½" / 65 | 76.1 | 2884.3 | 1139.4 (39.5%) | 1744.9 (60.5%) |
| 3" / 80 | 88.9 | 4231.4 | 1399.5 (33.0%) | 2831.9 (67.0%) |
| 4" / 100 | 114.3 | 7512.2 | 2279.4 (30.3%) | 5232.8 (69.7%) |
| 5" / 125 | 139.7 | 10732.9 | 2978.3 (27.7%) | 7754.6 (72.3%) |
| 6" OD | 165.1 | 16535.8 | 3956.9 (23.9%) | 12578.9 (76.1%) |
| 6" / 150 | 168.3 | 16535.8 | 3956.9 (23.9%) | 12578.9 (76.1%) |
| 8" / 200 | 219.1 | 29772.0 | 5965.0 (20.0%) | 23807.0 (80.0%) |



| Butterfly Valve Style 200 (Wafer) Absperrklappe Typ 200 (Zwischenflansch) Vliederklep Style 200 (Wafer) | | | | |
|---|-----------------------|----------------------|----------------------|----------------------|
| Nominal Size (Inches / DN) | Pipe Outside Diameter | Pipe mm ² | Disc mm ² | Flow mm ² |
| 2½" / 65 | 76.1 | 3117.3 | 1187.7 (38.1%) | 1929.6 (61.9%) |
| 3" / 80 | 88.9 | 4536.5 | 1418.2 (31.3%) | 3188.3 (68.7%) |
| 4" / 100 | 114.3 | 7854.0 | 2364.3 (30.1%) | 5489.7 (69.9%) |
| 5" / 125 | 139.7 | 10679.2 | 3127.2 (29.3%) | 7552.0 (70.7%) |
| 6" OD | 165.1 | 16444.7 | 4285.7 (26.0%) | 12159.0 (74.0%) |
| 6" / 150 | 168.3 | 16444.7 | 4285.7 (26.0%) | 12159.0 (74.0%) |
| 8" / 200 | 219.1 | 29742.4 | 6366.9 (21.4%) | 23375.5 (78.6%) |

| Butterfly Valve Style 500 (Grooved / Threaded) Absperrklappe Typ 500 (Gerieft / Gewinde) Vliederklep Style 500 (Gegroeft / Draad) | | | | |
|---|-----------------------|----------------------|----------------------|----------------------|
| Nominal Size (Inches / DN) | Pipe Outside Diameter | Pipe mm ² | Disc mm ² | Flow mm ² |
| 1" / 25 | 33.7 | 585.3 | 216.7 (37.0%) | 368.6 (63.0%) |
| 1¼" / 32 | 42.4 | 1017.9 | 357.5 (35.1%) | 660.4 (64.9%) |
| 1½" / 40 | 48.3 | 1256.6 | 432.4 (34.4%) | 824.2 (65.6%) |
| 2" / 50 | 60.3 | 1963.5 | 594.4 (30.3%) | 1369.1 (69.7%) |
| 2½" / 65 | 76.1 | 2922.5 | 1139.4 (39.0%) | 1783.1 (61.0%) |

GENERAL DESIGN DATA / **Butterfly Valves Switch Wiring Diagram**
 ALLGEMEINE LEISTUNGSDATEN / **Absperrklappen Schalter Anschlussplan**
 ALGEMENE PRESTATIEGEGEVENS / **Vlinderkleppen Schakelaar Aansluitschema**

SWITCH WIRING DIAGRAM

Switch scheme S-1 is for connection to the supervisory circuit or a UL Listed alarm control panel:

- Normally Open - Yellow
- Normally Closed - Red
- Common - White

Switch scheme S-2 is for auxiliary switch which may be connected per authority having jurisdiction to auxiliary device:

- Normally Open - Blue
- Normally Closed - Orange
- Common - Black

Housing ground lead #14 AWG: Green

SCHALTER ANSCHLUSSSCHEMA

Anschlusschema S-1: Zeigt die Verbindung an eine Überwachungsschaltung oder einer UL-geprüften Alarm Zentrale:

- Normal offen - Gelb
- Normal geschlossen - Rot
- Normal - Weiß

Anschlussplan S-2 ist für den Anschluss an eine Hilfseinrichtung von einer zuständigen Autorität:

- Normal offen - Blau
- Normal geschlossen - Orange
- Normal - Schwarz

Gehäuse Geerdet # 14 AWG: Grün

SCHAKELAAR AANSLUITSHEMA

Aansluitschema S-1 is voor de aansluiting op een toezichhoudende circuit of een UL-gecertificeerde alarmcentrale:

- Normaal Open - Geel
- Normaal gesloten - Rood
- Normaal - Wit

Aansluitschema S-2 is voor de aansluiting op een hulpinrichting door een bevoegde autoriteit:

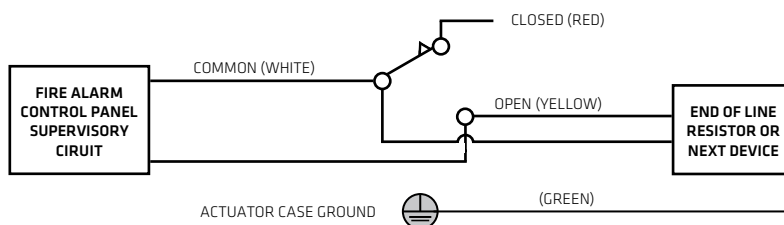
- Normaal Open - Blauw
- Normaal gesloten - Oranje
- Normaal - Zwart

Behuizingsaarde # 14 AWG: Groen

WIRING DIAGRAM S-1

ANSCHLUSSSCHEMA S-1

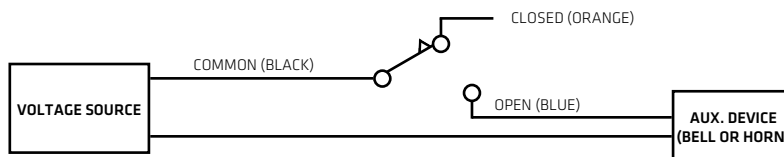
AANSLUITSHEMA S-1



WIRING DIAGRAM S-2

ANSCHLUSSSCHEMA S-2

AANSLUITSHEMA S-2



RATED:

5A = 1/6HP - 125/250V AC
 or 0.5A - 125V DC
 or 0.25A - 250V DC

BEWERTET:

5A = 1/6HP - 125/250V AC
 oder 0.5A - 125V DC
 oder 0.25A - 250V DC.

WAARDE:

5A = 1/6HP - 125/250V AC
 of 0.5A - 125V DC
 of 0.25A - 250V DC