VQ indirect electrovalves, are particularly suitable to control water, air, inert gas, steam and for all fluids in general (not aggressive).
The extremely compact brass body, gives to them the possibility to be used in very small places.
They're available in different versions as 2/2, 3/2 NC and NO and with NBR, Viton or EPDM seals.

**Les électrovannes de la série VQ à commande indirecte sont particulièrement appropriées pour contrôler l'eau, l'air, le gaz inerte, la vapeur d'eau et tous les fluides généralement non agressifs. Le corps en laiton est compact et permet une utilisation dans des espaces confinés. Plusieurs versions sont disponibles comme 2/2, 3/2 NF et NO et joints en NBR, Viton ou EPDM.**

*Le elettrovalvole della serie VQ a comando indiretto sono particolarmente indicate per il controllo di acqua, aria, gas inerti, vapore e in generale di fluidi non aggressivi.*
*Il corpo in ottone estremamente compatto ne permettono l'utilizzo in spazi molto ristretti.*
*Sono disponibili diverse versioni tra cui 2/2 e 3/2 NC e NA e guarnizioni in NBR, Viton e EPDM.*

## ORDERING CODE / **CODIFICATION** / *CHIAVE DI CODIFICA*

V Q I 1 4 2 2 C 1 0 N 0

1= WITH REGULATING PIN / **AVEC GOUPILLE DE RÉGULATION** / *CON SPILLO DI REGOLAZIONE*

SEALS / **JOINTS** / *GUARNIZIONI*
N= NBR
V= FKM (Viton)
E= EPDM

**Ø mm**
10= 10mm
12= 12mm
14= 14mm
18= 18mm
25= 25mm

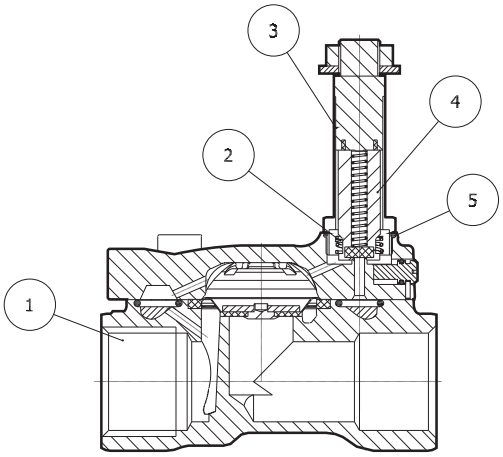
FUNCTION / **FONCTION** / *FUNZIONE*
22C= 2/2 NC / **NF** / *NC*
22O= 2/2 NO / **NO** / *NA*

THREAD SIZE / **FILETAGE** / *FILETTO*
14= G1/4
38= G3/8
12= G1/2
34= G3/4
10= G1

## TECHNICAL CHARACTERISTICS / **CARACTÉRISTIQUES TECHNIQUES** / *CARATTERISTICHE TECNICHE*

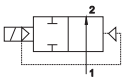
| | | | |
|---|---|---|---|
| Max. allowable pressure / **Pression de service max.** / *Pressione massima ammissibile* | | | 25 bar |
| Temperature range / **Température d'utilisation** / *Temperatura di utilizzo* | NBR | -10°C / +90°C | Air, inert gas, water max 75 °C, mineral oils, gas oil, fuel oils<br>**Air, gas neutres, eau max. 75°C, huiles minerales, diesel, mazout**<br>*Aria, gas inerti, acqua max 75 °C, oli minerali, gasolio, oli combustibili* |
| | FKM | -10°C / +140°C | Mineral oils, gasoline, gas oil, fuel oils<br>**Huiles minerales, essence, mazout**<br>*Oli minerali, benzina, oli combustibili* |
| | EPDM | -10°C / +140°C | Hot water, steam (max pressure 2.5 bar)<br>**Eau chaude, vapeur (Pression de service max 2.5bar)**<br>*Acqua calda, vapore (pressione max 2.5 bar)* |

## COMPONENTS / **COMPOSANTS** / *COMPONENTI*

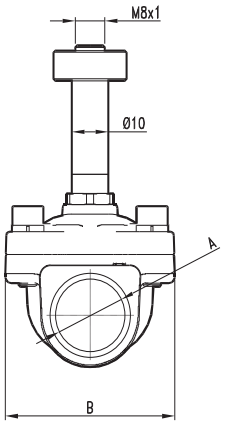


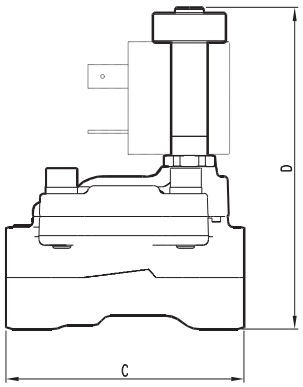

| N. | DESCRIPTION / **DESCRIPTION** / *DESCRIZIONE* | MATERIAL / **MATIÈRE** / *MATERIALE* |
|---|---|---|
| 1 | Body / **Corps** / *Corpo* | Brass / **Laiton** / *Ottone* |
| 2 | Springs / **Ressort** / *Molle* | Stainless Steel / **Acier inox** / *Acciaio inox* |
| 3 | Armature tube / **Tube de pilotage** / *Tubo guida* | Stainless Steel / **Acier inox** / *Acciaio inox* |
| 4 | Core / **Noyau** / *Nucleo* | Stainless Steel / **Acier inox** / *Acciaio inox* |
| 5 | Seals / **Joints** / *Guarnizioni* | NBR - EPDM - FKM |

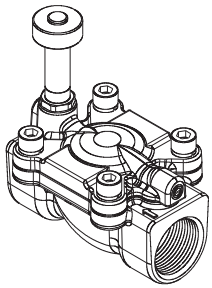
2/2 NO / **NO** / *NA*




| Code **Code** *Codice* | Seals **Joints** *Guarnizioni* | Thread size **Filetage** *Filetto* | **Ø mm** | Viscosity (Max cSt) **Viscosité (Max cSt)** *Viscosità (Max cSt)* | **Kv m³/h** | Power / **Puissance** *Potenza* | | **ΔP [bar]** | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | IN | EXH | min | max |
| **VQI1422O10N** | NBR | 1/4 | 10 | 25 | 1.88 | 8 | - | 0.15 | 9.5 |
| **VQI1422O10V** | FKM | | | | | - | 7.5 | 0.15 | 9.5 |
| **VQI1422O10E** | EPDM | | | | | - | 11 | 0.15 | 9.5 |
| **VQI3822O12N** | NBR | 3/8 | 12 | 25 | 2.90 | 8 | - | 0.15 | 9.5 |
| **VQI3822O12V** | FKM | | | | | - | 7.5 | 0.15 | 9.5 |
| **VQI3822O12E** | EPDM | | | | | - | 11 | 0.15 | 9.5 |
| **VQI3822O14N** | NBR | 3/8 | 14 | 25 | 3.32 | 8 | - | 0.15 | 9.5 |
| **VQI3822O14V** | FKM | | | | | - | 7.5 | 0.15 | 9.5 |
| **VQI3822O14E** | EPDM | | | | | - | 11 | 0.15 | 9.5 |
| **VQI1222O12N** | NBR | 1/2 | 12 | 25 | 3.03 | 8 | - | 0.15 | 9.5 |
| **VQI1222O12V** | FKM | | | | | - | 7.5 | 0.15 | 9.5 |
| **VQI1222O12E** | EPDM | | | | | - | 11 | 0.15 | 9.5 |
| **VQI1222O14N** | NBR | 1/2 | 14 | 25 | 3.53 | 8 | - | 0.15 | 9.5 |
| **VQI1222O14V** | FKM | | | | | - | 7.5 | 0.15 | 9.5 |
| **VQI1222O14E** | EPDM | | | | | - | 11 | 0.15 | 9.5 |
| **VQI3422O18N** | NBR | 3/4 | 18 | 25 | 5.56 | 8 | - | 0.15 | 9.5 |
| **VQI3422O18V** | FKM | | | | | - | 7.5 | 0.15 | 9.5 |
| **VQI3422O18E** | EPDM | | | | | - | 11 | 0.15 | 9.5 |
| **VQI1022O25N** | NBR | 1 | 25 | 25 | 10.97 | 8 | - | 0.15 | 9.5 |
| **VQI1022O25V** | FKM | | | | | - | 7.5 | 0.15 | 9.5 |
| **VQI1022O25E** | EPDM | | | | | - | 11 | 0.15 | 9.5 |

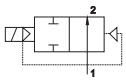


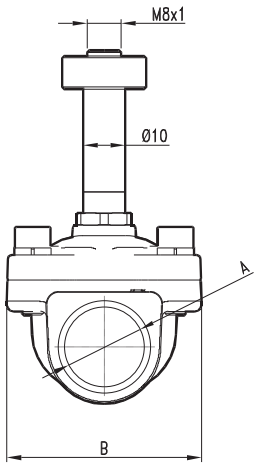



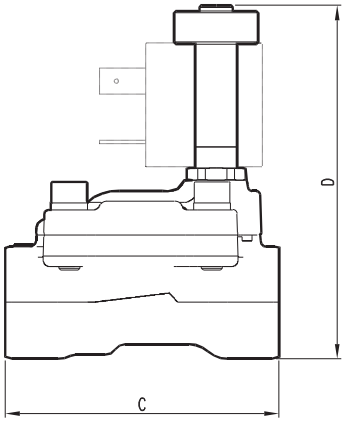
| Size / **Taille** / *Taglia* | **A** | **B** | **C** | **D** |
|---|---|---|---|---|
| **1/4"** | G 1/4 | 35.2 | 55.5 | 76.6 |
| **3/8"** | G 3/8 | 46.4 | 65.3 | 84.2 |
| **1/2"** | G 1/2 | 46.4 | 65.3 | 84.2 |
| **3/4"** | G 3/4 | 56.7 | 81 | 95 |
| **1"** | G 1 | 65 | 95 | 101.1 |

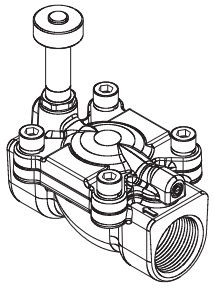
2/2 NO WITH MANUAL OVERRIGE AND REGULATING PIN / **2/2 NO AVEC COMMANDE MANUELLE ET GOUPILLE DE REGLAGE**
*2/2 NA CON COMANDO MANUALE E SPILLO DI REGOLAZIONE*




| Code **Code** *Codice* | Seals **Joints** *Guarnizioni* | Thread size **Filetage** *Filetto* | **Ø mm** | Viscosity (Max cSt) **Viscosité (Max cSt)** *Viscosità (Max cSt)* | **Kv m³/h** | Power / **Puissance** *Potenza* | | **ΔP [bar]** | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | IN | EXH | min | max |
| **VQI3422O18N1** | NBR | | | | | 8 | - | 0.15 | 9.5 |
| **VQI3422O18V1** | FKM | 3/4 | 18 | 25 | 5.56 | - | 7.5 | 0.15 | 9.5 |
| **VQI3422O18E1** | EPDM | | | | | - | 11 | 0.15 | 9.5 |
| **VQI1022O25N1** | NBR | | | | | 8 | - | 0.15 | 9.5 |
| **VQI1022O25V1** | FKM | 1 | 25 | 25 | 10.97 | - | 7.5 | 0.15 | 9.5 |
| **VQI1022O25E1** | EPDM | | | | | - | 11 | 0.15 | 9.5 |

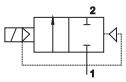


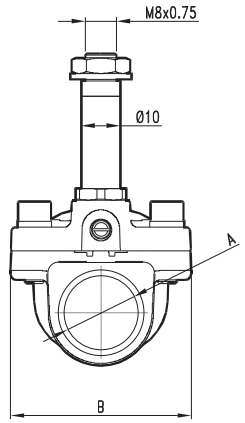



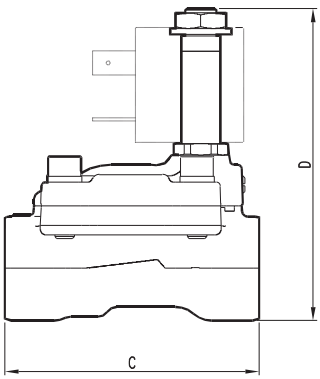
| Size / **Taille** / *Taglia* | **A** | **B** | **C** | **D** |
|---|---|---|---|---|
| **1/4"** | G 1/4 | 35.2 | 55.5 | 76.6 |
| **3/8"** | G 3/8 | 46.4 | 65.3 | 84.2 |
| **1/2"** | G 1/2 | 46.4 | 65.3 | 84.2 |
| **3/4"** | G 3/4 | 56.7 | 81 | 95 |
| **1"** | G 1 | 65 | 95 | 101.1 |

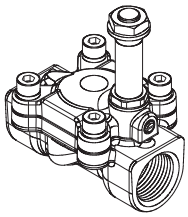
2/2 NC WITH MANUAL OVERRIGE / **2/2 NF AVEC COMMANDE MANUELLE** / *2/2 NC CON COMANDO MANUALE*




| Code **Code** *Codice* | Seals **Joints** *Guarnizioni* | Thread size **Filetage** *Filetto* | **Ø mm** | Viscosity (Max cSt) **Viscosité (Max cSt)** *Viscosità (Max cSt)* | **Kv m³/h** | Power / **Puissance** *Potenza* | | **ΔP [bar]** | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | DC (W) | AC (VA) | min | max |
| **VQI1422C10N** | NBR | 1/4 | 10 | 25 | 1.88 | 6.5 | - | 0.15 | 11.2 |
| **VQI1422C10V** | FKM | | | | | 8 | - | 0.15 | 25 |
| **VQI1422C10E** | EPDM | | | | | - | 7.5 | 0.15 | 13.8 |
| | | | | | | - | 11 | 0.15 | 25 |
| **VQI1422C12N** | NBR | 3/8 | 12 | 25 | 2.90 | 6.5 | - | 0.15 | 11.2 |
| **VQI3822C12V** | FKM | | | | | 8 | - | 0.15 | 25 |
| **VQI3822C12E** | EPDM | | | | | - | 7.5 | 0.15 | 13.8 |
| | | | | | | - | 11 | 0.15 | 25 |
| **VQI3822C14N** | NBR | 3/8 | 14 | 25 | 3.32 | 6.5 | - | 0.15 | 11.2 |
| **VQI3822C14V** | FKM | | | | | 8 | - | 0.15 | 25 |
| **VQI3822C14E** | EPDM | | | | | - | 7.5 | 0.15 | 13.8 |
| | | | | | | - | 11 | 0.15 | 25 |
| **VQI1222C12N** | NBR | 1/2 | 12 | 25 | 3.03 | 6.5 | - | 0.15 | 11.2 |
| **VQI1222C12V** | FKM | | | | | 8 | - | 0.15 | 25 |
| **VQI1222C12E** | EPDM | | | | | - | 7.5 | 0.15 | 13.8 |
| | | | | | | - | 11 | 0.15 | 25 |
| **VQI1222C14N** | NBR | 1/2 | 14 | 25 | 3.53 | 6.5 | - | 0.15 | 11.2 |
| **VQI1222C14V** | FKM | | | | | 8 | - | 0.15 | 25 |
| **VQI1222C14E** | EPDM | | | | | - | 7.5 | 0.15 | 13.8 |
| | | | | | | - | 11 | 0.15 | 25 |
| **VQI3422C18N** | NBR | 3/4 | 18 | 25 | 5.56 | 6.5 | - | 0.15 | 11.2 |
| **VQI3422C18V** | FKM | | | | | 8 | - | 0.15 | 25 |
| **VQI3422C18E** | EPDM | | | | | - | 7.5 | 0.15 | 13.8 |
| | | | | | | - | 11 | 0.15 | 25 |
| **VQI1022C25N** | NBR | 1 | 25 | 25 | 10.97 | 6.5 | - | 0.15 | 11.2 |
| **VQI1022C25V** | FKM | | | | | 8 | - | 0.15 | 25 |
| **VQI1022C25E** | EPDM | | | | | - | 7.5 | 0.15 | 13.8 |
| | | | | | | - | 11 | 0.15 | 25 |

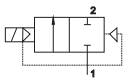


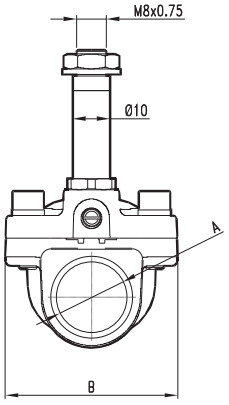



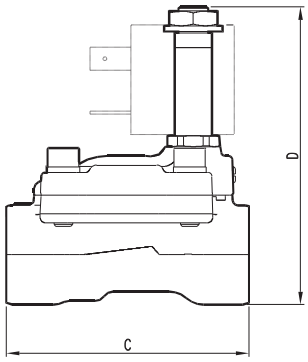
| Size / **Taille** / *Taglia* | **A** | **B** | **C** | **D** |
|---|---|---|---|---|
| **1/4"** | G 1/4 | 35.2 | 55.5 | 72.5 |
| **3/8"** | G 3/8 | 46.4 | 65.3 | 80.1 |
| **1/2"** | G 1/2 | 46.4 | 65.3 | 80.1 |
| **3/4"** | G 3/4 | 56.7 | 81 | 90.9 |
| **1"** | G 1 | 65 | 95 | 97 |

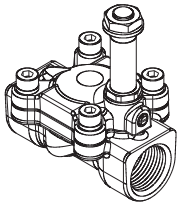
2/2 NC WITH MANUAL OVERRIGE AND REGULATING PIN / **2/2 NF AVEC COMMANDE MANUELLE ET GOUPILLE DE REGLAGE**
*2/2 NC CON COMANDO MANUALE E SPILLO DI REGOLAZIONE*




| Code **Code** *Codice* | Seals **Joints** *Guarnizioni* | Thread size **Filetage** *Filetto* | **Ø mm** | Viscosity (Max cSt) **Viscosité (Max cSt)** *Viscosità (Max cSt)* | **Kv m³/h** | Power / **Puissance** *Potenza* | | **ΔP [bar]** | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | DC (W) | AC (VA) | min | max |
| **VQI3422C18N1** | NBR | 3/4 | 18 | 25 | 5.56 | 6.5 | - | 0.15 | 11.2 |
| **VQI3422C18V1** | FKM | | | | | 8 | - | 0.15 | 25 |
| **VQI3422C18E1** | EPDM | | | | | - | 7.5 | 0.15 | 13.8 |
| | | | | | | - | 11 | 0.15 | 25 |
| **VQI1022C25N1** | NBR | 1 | 25 | 25 | 10.97 | 6.5 | - | 0.15 | 11.2 |
| **VQI1022C25V1** | FKM | | | | | 8 | - | 0.15 | 25 |
| **VQI1022C25E1** | EPDM | | | | | - | 7.5 | 0.15 | 13.8 |
| | | | | | | - | 11 | 0.15 | 25 |



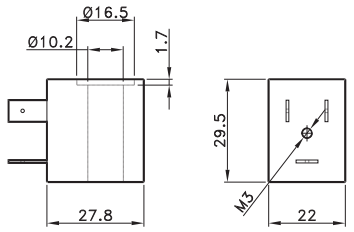



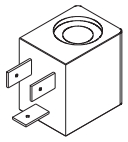



| Size / **Taille** / *Taglia* | **A** | **B** | **C** | **D** |
|---|---|---|---|---|
| **1/4"** | G 1/4 | 35.2 | 55.5 | 72.5 |
| **3/8"** | G 3/8 | 46.4 | 65.3 | 80.1 |
| **1/2"** | G 1/2 | 46.4 | 65.3 | 80.1 |
| **3/4"** | G 3/4 | 56.7 | 81 | 90.9 |
| **1"** | G 1 | 65 | 95 | 97 |

KIT REPAIR SEALS
**KIT DE REPARATION JOINTS**
*KIT RIPARAZIONE GUARNIZIONI*

| **CODE** | Seals **Joints** *Guarnizioni* | Size **Taille** *Taglia* |
|---|---|---|
| **KZ642200** | NBR | 1/4 |
| **KZ643200** | FKM | 1/4 |
| **KZ645200** | EPDM | 1/4 |
| **KZ642312** | NBR | 3/8 - 1/2 Ø12 |
| **KZ643312** | FKM | 3/8 - 1/2 Ø12 |
| **KZ645312** | EPDM | 3/8 - 1/2 Ø12 |
| **KZ642314** | NBR | 3/8 - 1/2 Ø14 |
| **KZ643314** | FKM | 3/8 - 1/2 Ø14 |
| **KZ645314** | EPDM | 3/8 - 1/2 Ø14 |
| **KZ642400** | NBR | 3/4 |
| **KZ643400** | FKM | 3/4 |
| **KZ645400** | EPDM | 3/4 |
| **KZ642500** | NBR | 1" |
| **KZ643500** | FKM | 1" |
| **KZ645500** | EPDM | 1" |



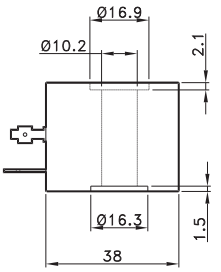



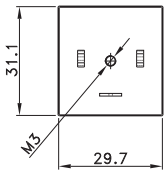
COILS 22 mm
**BOBINE 22 mm**
*BOBINE 22 mm*

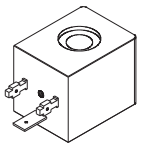
| **CODE** | Power / **Absorption** / *Assorbimento*<br>Tension<br>**Tension**<br>*Tensione* | Power<br>**Puissance**<br>*Potenza* |
|---|---|---|
| **BO4051012** | 12 V DC | 6,5 W |
| **BO4051024** | 24 V DC | 6,5 W |
| **BO4052024** | 24 V AC | 7,5 VA |
| **BO4052110** | 110 VAC | 7,5 VA |
| **BO4052220** | 220 VAC | 7,5 VA |

TECHNICAL SPECIFICATIONS
**CARACTERISTIQUES TECHNIQUES**
*CARATTERISTICHE TECNICHE*

| | |
|---|---|
| Tension tolerance / **Tolérance tension** / *Tolleranza di tensione* | +10% |
| Protection with connector / **Protection avec connecteur** / *Protezione con connettore* | IP65 |
| Max working temperature / **Température max d'utilisation** / *Temperatura max di esercizio* | + 50°C |
| Duty cycle / **Temps d'enclenchement** / *Inserimento* | ED 100% |



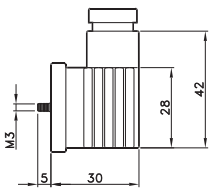



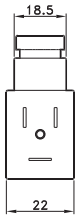
COILS 30 mm
**BOBINE 30 mm**
*BOBINE 30 mm*

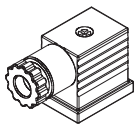
| **CODE** | Power / **Absorption** / *Assorbimento*<br>Tension<br>**Tension**<br>*Tensione* | Power<br>**Puissance**<br>*Potenza* |
|---|---|---|
| **BO4061012** | 12 V DC | 8 W |
| **BO4061024** | 24 V DC | 8 W |
| **BO4062024** | 24 V AC | 11 VA |
| **BO4062110** | 110 VAC | 11 VA |
| **BO4062220** | 220 VAC | 11 VA |

TECHNICAL SPECIFICATIONS
**CARACTERISTIQUES TECHNIQUES**
*CARATTERISTICHE TECNICHE*

| | |
|---|---|
| Tension tolerance / **Tolérance tension** / *Tolleranza di tensione* | +10% |
| Protection with connector / **Protection avec connecteur** / *Protezione con connettore* | IP65 |
| Max working temperature / **Température max d'utilisation** / *Temperatura max di esercizio* | + 50°C |
| Duty cycle / **Temps d'enclenchement** / *Inserimento* | ED 100% |



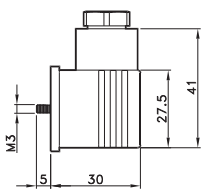



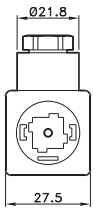



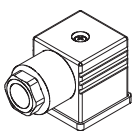
CONNECTORS 22 mm
**CONNECTEUR 22 mm**
*CONNETTORI 22 mm*

| **CODE** |
|---|
| **AR40696** |

Cable diameter / **Diamètre du câble** / *Diametro cavo*
6÷8 mm (22mm)
8÷11mm (30mm)



CONNECTORS 30 mm
**CONNECTEUR 30 mm**
*CONNETTORI 30 mm*

| **CODE** |
|---|
| **VX0027** |

Cable diameter / **Diamètre du câble** / *Diametro cavo*
6÷8 mm (22mm)
8÷11mm (30mm)