

Instruction

EV220B 15-50

Normally Closed/ Normally open (NC/NO)

032R9346

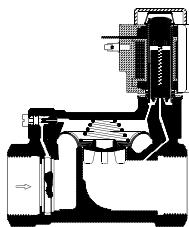
Types

- Type EV220B 15, 20, 25, 32, 40, 50 B Normally Closed (NC)
- Type EV220B 15, 20, 25, 32, 40, 50 B Normally Open(No)
- Type EV220B 15, 20, 25, 32, 40, 50 BD Normally Closed (NC)
- Type EV220B 15, 20, 25, 32, 40, 50 SS Normally Closed (NC)

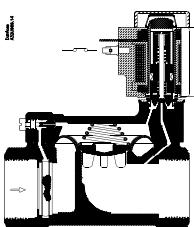
Media temperature

Gasket materials	Media	Temperature
EPDM	Water / Steam	See Note 1)
NBR	Oil, water and air	-10°C → 90°C
FKM	Oil / inert gas incl air	0°C → 100°C

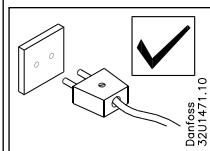
NC



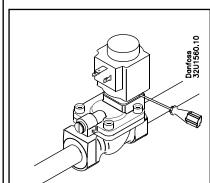
NO



Coil replacement

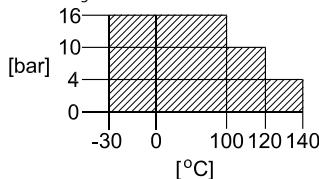


- Before removing the coil, voltage must be disconnected, otherwise the coil will burn out



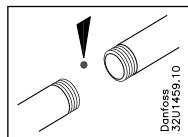
- Use a screwdriver to lever the coil from the armature.

- 1) EPDM is suitable for water and steam within the illustrated ranges

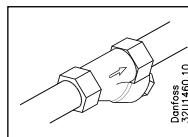


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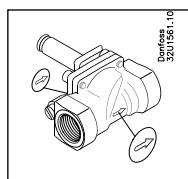
Mounting the valve



- Clean the pipe system before mounting the valve

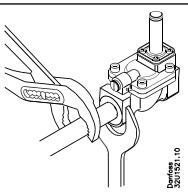
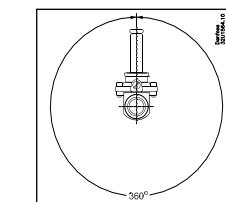
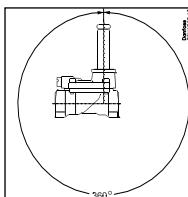


- Mount filter in front of the valve if there are impurities in media



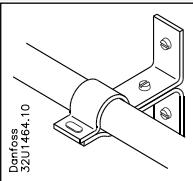
- The arrow cast on the body and cover must point in the direction of the flow

- Mount the valve as shown in the pictures. The valve can be mounted with a angle of 360° from upright position.



- Use counterforce when tightening up pipe connections, i.e. use a spanner on both the valve body as well as on the pipe connector.

To be continued on page 2



6.The pipes on both sides of the valve must be securely fastened.

7.Test the system.

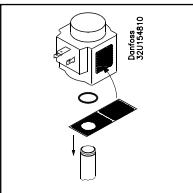


Warning

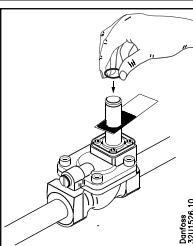
Mounting the coil

Note 1. **Warning**

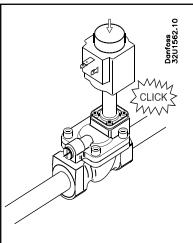
Never switch on power to the coil when the coil is dismounted from the valve. Otherwise the coil may be damaged and there is risk of injuries and burns.



2.Mount the label on the coil and put the armature tube label over the tube.



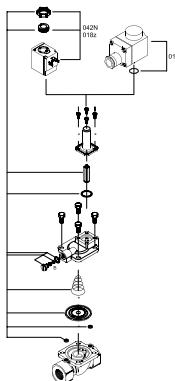
3.Mount the O-ring.



4.Mount the coil on the valve. The coil must CLICK in order to be positioned correctly.

Spare parts kit

Normally Closed valves (NC)



Armature, O-rings, spring, diaphragm

Brass versions

ValveType	Seal material	Code no.
EV220B 15	EPDM FKM NBR	032U1071 032U1072 032U6013
EV220B 20	EPDM FKM NBR	032U1073 032U1074 032U6014
EV220B 25	EPDM FKM NBR	032U1075 032U1076 032U6015
EV220B 32	EPDM FKM NBR	032U1077 032U1078 032U6016
EV220B 40	EPDM FKM NBR	032U1079 032U1080 032U6017
EV220B 50	EPDM FKM NBR	032U1081 032U1082 032U6018

DZR brass and stainless steel versions

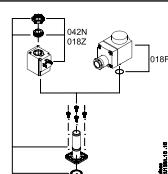
ValveType	Seal material	Code no.
EV220B 15	EPDM FKM	032U6320 ¹⁾ 032U6326
EV220B 20	EPDM FKM	032U6321 ¹⁾ 032U6327
EV220B 25	EPDM FKM	032U6322 ¹⁾ 032U6328
EV220B 32	EPDM FKM	032U6323 ¹⁾ 032U6329
EV220B 40	EPDM FKM	032U6324 ¹⁾ 032U6330
EV220B 50	EPDM FKM	032U6325 ¹⁾ 032U6331

1)Approved by WRAS

Spare parts kit

Normally open valves (NO)

Valve type	Seal material	Code no.
EV220B 15 - 50	EPDM FKM NBR	032U0296 032U0295 032U0299



Safe working pressure

Types	Pressure
EV220B 15 and 20 (NC/NO) EV220B 25, 32, 40 and 50 (NC/NO)	16 bar

Betriebsanleitung

EV220B 15-50

Stromlos geschlossen / Stromlos geöffnet (NC/NO)

Ausführungen

Typ EV220B 15, 20, 25, 32, 40, 50 B Stromlos geschlossen (NC)

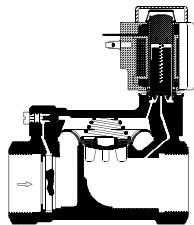
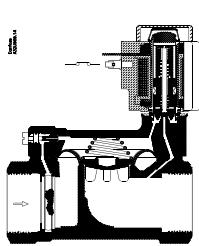
Typ EV220B 15, 20, 25, 32, 40, 50 B Stromlos geöffnet (NO)

Typ EV220B 15, 20, 25, 32, 40, 50 BD Stromlos geschlossen (NC)

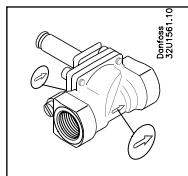
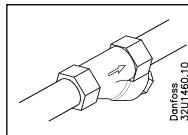
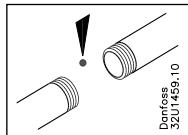
Typ EV220B 15, 20, 25, 32, 40, 50 SS Stromlos geschlossen (NC)

Medientemperatur

Dichtungs- werkstoffe	Medien	Temperatur
EPDM	Wasser/Dampf	Siehe Fußnote 1)
NBR	Öl, Wasser und Luft	-10°C → 90°C
FKM	Öl/neutrale Gase/Luft	0°C → 100°C

NC**NO**

Montage des Ventils

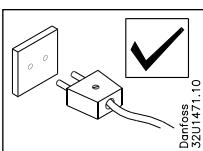


1. Vor der Montage des Ventils müssen die Rohrleitungen gereinigt werden.

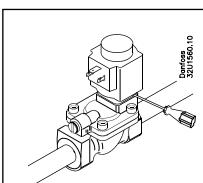
2. Bauen Sie einen Filter vor dem Ventil ein, wenn Verunreinigungen in den Medien vorhanden sind

3. Der auf Ventilgehäuse und Deckel eingegossene Pfeil muss in Strömungsrichtung weisen.

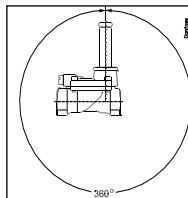
Austausch der Spulen



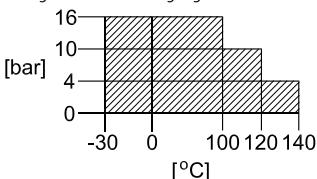
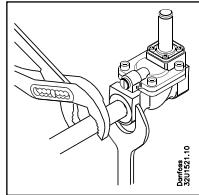
1. Vor dem Entfernen der Spule muss die Spannung getrennt werden, andernfalls brennt die Spule durch.



2. Die Spule wird mit einem Schraubendreher vom Anker abgehoben.

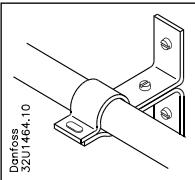


1) EPDM ist für Wasser und Dampf innerhalb der abgebildeten Bereiche geeignet

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5. Verwenden Sie beim Festziehen der Rohrverbindungen eine Gegenkraft, d. h. setzen Sie einen Schraubenschlüssel sowohl am Ventilgehäuse als auch am Rohrabschlussstutzen an.

Fortsetzung auf Seite 4



6. Die Rohre auf beiden Seiten des Ventils müssen gut befestigt sein.

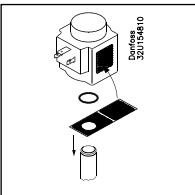


7. Testen Sie das System.

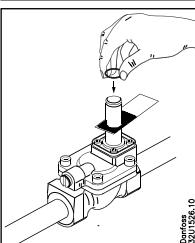
Befestigung der Spule

Hinweis 1. **Warnung**

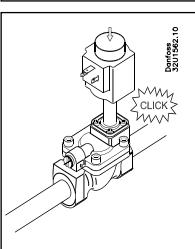
Schalten Sie die Stromversorgung der Spule niemals ein, wenn die Spule vom Ventil abgenommen ist. Andernfalls kann die Spule beschädigt werden; zudem besteht die Gefahr von Verletzungen und Verbrennungen.



2. Befestigen Sie das Spulen-etikett auf der Spule und schieben Sie das Etikett mit der Typbezeichnung über das Ankerrohr.



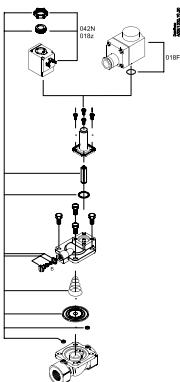
3. Befestigen Sie den O-Ring.



4. Befestigen Sie die Spule am Ventil. Wenn die Spule richtig positioniert ist, muss sie mit einem Klickgeräusch einrasten.

Ersatzteilsatz

Stromlos geschlossene Ventile (NC)



Anker, O-Ringe, Feder,
Membrane

Messingausführungen

Ventiltyp	Dichtungswerkstoff	Best.-Nr.
EV220B 15	EPDM FKM NBR	032U1071 032U1072 032U6013
EV220B 20	EPDM FKM NBR	032U1073 032U1074 032U6014
EV220B 25	EPDM FKM NBR	032U1075 032U1076 032U6015
EV220B 32	EPDM FKM NBR	032U1077 032U1078 032U6016
EV220B 40	EPDM FKM NBR	032U1079 032U1080 032U6017
EV220B 50	EPDM FKM NBR	032U1081 032U1082 032U6018

Ausführungen aus entzinkungsfreiem Messing und Edelstahl

Ventiltyp	Dichtungswerkstoff	Best.-Nr.
EV220B 15	EPDM FKM	032U6320 ¹⁾ 032U6326
EV220B 20	EPDM FKM	032U6321 ¹⁾ 032U6327
EV220B 25	EPDM FKM	032U6322 ¹⁾ 032U6328
EV220B 32	EPDM FKM	032U6323 ¹⁾ 032U6329
EV220B 40	EPDM FKM	032U6324 ¹⁾ 032U6330
EV220B 50	EPDM FKM	032U6325 ¹⁾ 032U6331

1)WRAS zulassung

Ersatzteilsatz

Stromlos geöffnete Ventile (NO)



Sicherer Arbeitsdruck

Ausführungen	Druck
EV220B 15 und 20 (stromlos geschlossen/stromlos geöffnet) EV220B 25, 32, 40 und 50 (stromlos geschlossen/stromlos geöffnet)	16 bar

Instruction

EV22OB 15-50

Normalement fermée/normalement ouverte (NF/NO)

Types

Type EV22OB 15, 20, 25, 32, 40, 50 B normalement fermée (NF)

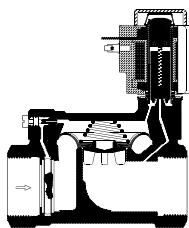
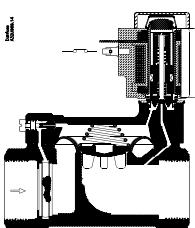
Type EV22OB 15, 20, 25, 32, 40, 50 B normalement ouverte (NO)

Type EV22OB 15, 20, 25, 32, 40, 50 BD normalement fermée (NF)

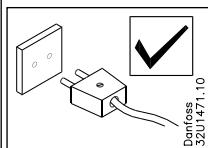
Type EV22OB 15, 20, 25, 32, 40, 50 SS normalement fermée (NF)

Température du fluide

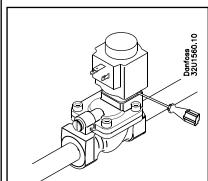
Matériaux du joint	Fluide	Température
EPDM	Eau/vapeur	Voir note 1)
NBR	Huile, eau et air	-10°C → 90°C
FKM	Huile/gaz inerte dont air	0°C → 100°C

NF**NO**

Remplacement de la bobine

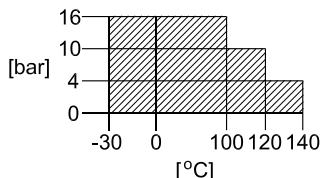


1. Avant de retirer la bobine, la mettre hors tension pour éviter qu'elle ne grille.



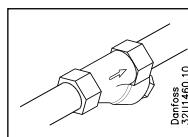
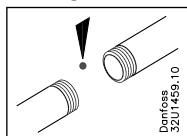
2. Utiliser un tournevis pour extraire la bobine de l'induit.

1) Le matériau EPDM convient à l'eau et à la vapeur dans les gammes

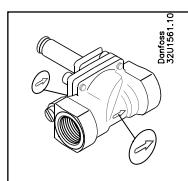


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Montage de la vanne

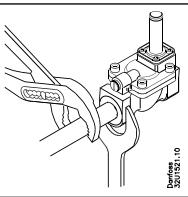
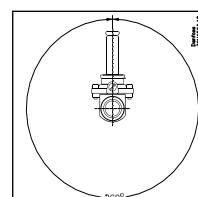
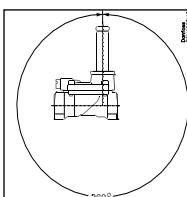


1. Nettoyer le système de tuyaux avant de monter la vanne



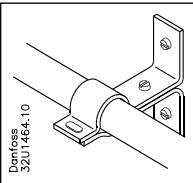
3. La flèche présente sur le corps et le couvercle doit être orientée dans le sens du débit.

4. Monter la vanne comme indiqué sur les figures. La vanne peut être installée à un angle de 360° par rapport à la position verticale.



5. Toujours utiliser un contre-poids lors du serrage des raccords. Utiliser par exemple une clé tricoise sur le corps de vanne et le raccord de tuyau.

Suite en page 6



6. Les tuyaux des deux côtés de la vanne doivent être correctement fixés.

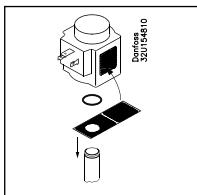
7. Tester le système.

Pression d'essai
! Max. 25 bar
Warning

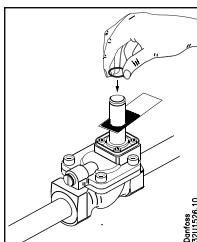
Montage de la bobine

Note 1. Attention

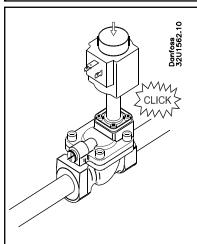
Ne jamais appliquer de tension à la bobine lorsque celle-ci est démontée de la vanne. Dans le cas contraire, la bobine peut être endommagée et il existe un risque de blessures et de brûlures.



2. Monter l'étiquette sur la bobine et placer l'étiquette du tube d'induit sur le tube.



3. Monter le joint torique



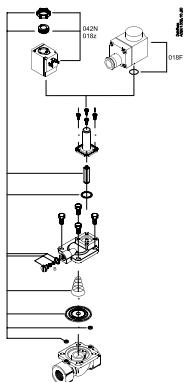
4. Monter la bobine sur la vanne. Un CLIC signale que la bobine est bien positionnée.

Pression de service sûre

Types	Pression
EV220B 15 et 20 (NF/NO) EV220B 25, 32, 40 et 50 (NF/NO)	16 bar

Kit de pièces de rechange

Vannes normalement fermées (NF)



Induit, joints toriques, ressort, membrane

Versions en laiton

Type de vanne	Matériau d'étanchéité	N° de code
EV220B 15	EPDM FKM NBR	032U1071 032U1072 032U6013
EV220B 20	EPDM FKM NBR	032U1073 032U1074 032U6014
EV220B 25	EPDM FKM NBR	032U1075 032U1076 032U6015
EV220B 32	EPDM FKM NBR	032U1077 032U1078 032U6016
EV220B 40	EPDM FKM NBR	032U1079 032U1080 032U6017
EV220B 50	EPDM FKM NBR	032U1081 032U1082 032U6018

Versions en laiton DZR et acier inoxydable

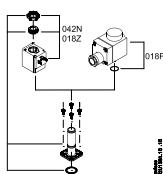
Type de vanne	Matériau d'étanchéité	N° de code
EV220B 15	EPDM FKM	032U6320 ¹⁾ 032U6326
EV220B 20	EPDM FKM	032U6321 ¹⁾ 032U6327
EV220B 25	EPDM FKM	032U6322 ¹⁾ 032U6328
EV220B 32	EPDM FKM	032U6323 ¹⁾ 032U6329
EV220B 40	EPDM FKM	032U6324 ¹⁾ 032U6330
EV220B 50	EPDM FKM	032U6325 ¹⁾ 032U6331

1)) Homologation WRAS

Kit de pièces de rechange

Vannes normalement fermées (NO)

Type de vanne	Matériau d'étanchéité	N° de code
EV220B 15 - 50	EPDM FKM NBR	032U0296 032U0295 032U0299



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