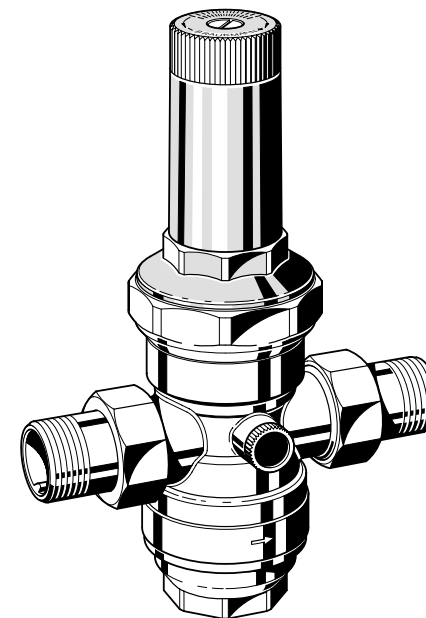


D06FN

Einbau-Anleitung · Installation Instruction · Instructions de montage
Installatievoorschrift · Istruzioni per il montaggio · Instrucciones de instalación



Druckminderer Niederdruckausführung
Pressure Reducing Valve, low pressure version
Détendeur de basse pression
Reduceerklep voor lage druk
Riduttore di bassa pressione
Reductor de baja presión

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MU1H-1004GE23 R0602

EB-D06FN-B

1. Installation

It is necessary during installation to follow codes of good practice, to comply with local requirements and to follow the installation instructions. The installation location should be protected against frost and be easily accessible. Isolating valves should be fitted on each side of the pressure reducing valve.

☞ For 2" valve size only, venturi nozzle and 'O'-ring supplied should be installed on outlet side (Fig. 2).

2. Assembly

1. Thoroughly flush pipework.
2. Install pressure reducing valve.
 - Fit venturi nozzle (2" valve only - See Fig. 2)
 - Check that flow is in direction of arrow
 - Install in horizontal pipework with filter bowl downwards
 - Install without tension or bending stresses.
- ⚠ For soldered union connectors, remove valve whilst making soldered connections to avoid high temperatures damaging important internal working components.
3. Set the outlet pressure (See Section 3).

3. Setting outlet pressure

1. Close valve [1].
2. Release pressure at side of outlet (e. g. through water tap).
3. Loosen slotted screw [3]
 - but do not remove.
4. Slacken pressure spring
 - Turn adjuster knob [4] anti-clockwise (-).
5. Close valve [2].
6. Slowly open valve [1].
7. Adjust outlet pressure
 - Turn adjustment knob [4] clockwise (+) until the pressure gauge (see accessory M07) indicates the required outlet pressure.
8. Retighten slotted screw [3].
9. Slowly open valve [2].
10. Pressure reducing valve is now ready for use

4. Inspection and maintenance

Planned maintenance is recommended and DIN 1988, Part 8 specifies the following operations:

4.1 Inspection

The following should be carried out once a year by the user or by a specialist:

1. Close valve [2].
2. Check outlet pressure with a manometer when no flow is occurring.
 - ⚠ Pressure should not rise. If pressure is not stable and slowly rises, then the valve insert should be checked and if necessary be replaced as described under "Maintenance".
6. Slowly open valve [2].

4.2 Maintenance

The following operations should be carried out by a specialist with time intervals according to operating conditions (DIN 1988 specifies 1 to 3 years):

1. Close valve [1].
2. Release pressure at side of outlet (e. g. through water tap).
3. Loosen slotted screw [3]
 - but do not remove.
4. Slacken adjustment spring by turning knob [4] anti-clockwise (-).
5. Close valve [2].
6. Unscrew spring bonnet
 - ⇒ use double ring wrench ZR06K (See "Accessories").
7. Remove slip ring [5].
8. Unscrew filter bowl.
9. Unscrew collar nut [6], remove diaphragm plate [7], moulded membrane [8] and diaphragm disc [9] and unscrew control rod extension [10].
10. Unscrew bonnet ring [11].
11. Pull out valve insert [12].
 - Check that sealing washer [13], nozzle rim [14] and fluted ring [15] are in good condition and if necessary replace the complete valve insert.
 - Clean filter insert [16].

12. Assemble in reverse order.
 - ☞ Press membrane in with finger then position slip ring [5].
13. Set outlet pressure by turning the adjuster knob (See section 3).

4.3 Cleaning

If required, the filter bowl and filter insert can be cleaned by the user or service personnel at intervals required by site conditions:

- ⚠ Cleaning materials containing solvents must not be used for any synthetic material components
1. Close valve [1].
 2. Release pressure at side of outlet (e. g. through water tap).
 3. Close valve [2].
 4. Unscrew filter bowl.
 5. Remove filter insert [16], clean and replace in bowl.
 6. Lightly lubricate 'O'-ring [17] with silicon grease and place on filter bowl.
 7. Screw filter bowl back on.
 8. Slowly open valves [1] and [2].

5. Scope of application

Medium:	Water and other non-aggressive liquids, compressed air*, nitrogen*
Inlet pressure:	Maximum 25 bar
Outlet pressure:	0.5 to 2.0 bar
Operating temperature:	Maximum 70 °C with brass filter bowl Maximum 40 °C with clear filter bowl
Connection sizes:	1/2" - 2"

- ⚠ In areas with ultra violet rays and solvent vapors use filter bowl of brass SM06T.

*As part of an installation being approved according to PED requirements, this product must also be certified.

6. Safety guidelines

1. Use appliance:
 - In good condition
 - According to regulations and codes of practice
 - With due regard to safety and risk of danger.
2. Follow installation instructions.
3. Immediately rectify any malfunctions which may influence safety.
4. D06FN pressure reducing valves are exclusively for use in applications detailed in these installation instructions. Any other use will not comply with requirements.
5. All assembly operations should be carried out by competent personnel.

7. Replacement parts and accessories

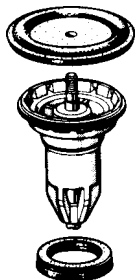
(See pages 14,15)

D 7. Austauschteile und Zubehör
GB 7. Replacement parts and accessories
F 7. Pièces de rechange et accessoires
NL 7. Reserveonderdelen en toebehoren
I 7. Pezzi di ricambio e accessori
E 7. Piezas de recambio y accesorios

D06FNA

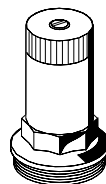
- D** Ventileinsatz
- GB** Valve insert
- F** Garniture
- NL** Binnenwerk
- I** Cartuccia
- E** Partes internas

D06FNA-1/2	1/2" + 3/4"
D06FNA-1"	1" + 1 1/4"
D06FNA-1 1/2"	1 1/2" + 2"



- D** Federhaube komplett
- GB** Spring bonnet complete
- F** Capuchon du ressort complet
- NL** Veerkap compleet
- I** Cappuccio della molla completo
- E** Caperuza del muelle completa

0900153	1/2" + 3/4"
0900154	1" + 1 1/4"
0900155	1 1/2" + 2"



ES06F

- D** Ersatzsieb
- GB** Replacement strainer
- F** Filtre de rechange
- NL** Reservefilter
- I** Filtro di ricambio
- E** Filtro de recambio

ES06F-1/2A	1/2" + 3/4"
ES06F-1A	1" + 1 1/4"
ES06F-1 1/2A	1 1/2" + 2"



SM06T

- D** Messing-Siebtasse
- GB** Brass filter cup
- F** Pot de décantation en laiton
- NL** Messing zeeffouder
- I** Tazza di filtro di ottone
- E** Vaso de filtro de latón

SM06T-1/2	1/2" + 3/4"
SM06T-1A	1" + 1 1/4"
SM06T-1 1/2	1 1/2" + 2"



S06K

- D** Verschlussstopfen
- GB** Blanking plug
- F** Bouchon
- NL** Stop
- I** Tappo
- E** Tapón

S06K-1/4	1/4"
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S06M

- D** Sechskant-Stopfen
- GB** Hexagonal blanking plug
- F** Bouchon hexagonal
- NL** Zeshoekige stop
- I** Tappo esagonale
- E** Tapón hexagonal

S06M-1/4	1/4"
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SK06T

- D** Klarsicht-Siebtasse
- GB** Transparent filter cup
- F** Pot de décantation transparent
- NL** Doorzichtige zeeffouder
- I** Tazza di filtro trasparente
- E** Vaso de filtro transparente

SK06T-1/2	1/2" - 3/4"
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FN09S

- D** Rückspülbarer Nachrüstfilter mit Rotguss-Filtertasse
- GB** Retrofit reverse rinsing filter with red-bronze filter bowl
- F** Filtre de rechange pour le lavage à contre-courant avec pot de décantation en bronze
- NL** Reservefilter voor terugspoeling met bronzen zeeffouder
- I** Filtro di ricambio per il lavaggio in controcorrente con tazza del filtro di bronzo
- E** Filtro de recambio para el enjuague a contracorriente con vaso de filtro de bronce

FN09S-1/2AM	1/2" + 3/4"
FN09S-1AMN	1" + 1 1/4"
FN09S-1 1/2AM	1 1/2" + 2"



FN09S

- D** Rückspülbarer Nachrüstfilter
- GB** Reverse-rinsing retrofit filter
- F** Filtre de rechange pour le lavage à contre-courant
- NL** Reservefilter voor terugspoeling
- I** Filtro di aggiornamento per il lavaggio in controcorrente
- E** Filtro de recambio para el enjuague a contracorriente

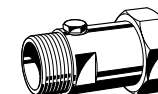
FN09A-1/2A	1/2" + 3/4"
FN09A-1AN	1" + 1 1/4"
FN09A-1 1/2A	1 1/2" + 2"



RV277

- D** Vorschalt-Rückfluss-verhinderer
- GB** Inlet non-return valve
- F** Clapet anti-retour amont
- NL** Terugslagklep stroomopwaarts
- I** Valvola di non ritorno a monte
- E** Válvula antiretorno arriba

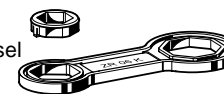
RV277-3/4A	3/4"
RV277-1A	1"
RV277-1 1/4A	1 1/4"
RV277-1 1/2A	1 1/2"
RV277-2A	2"



ZR06K

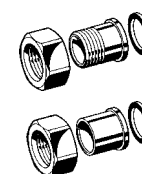
- D** Doppel-Ringschlüssel
- GB** Double ring wrench
- F** Clé polygonale double
- NL** Dubbele ringsleutel
- I** Doppia chiave poligonale
- E** Llave poligonal doble

ZR06K	1/2" - 2"
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VST06

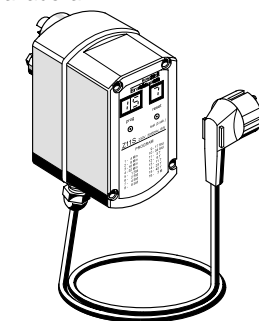
- D** Anschlussset
- GB** Connection set
- F** Jeu de raccords
- NL** Stel aansluitstukken
- I** Gioco di raccordi
- E** Juego de uniones



Z11S

- D** Rückspülautomatik
- GB** Automatic reverse rinsing actuator
- F** Automate de rinçage à contre-courant
- NL** Terugspoelautomaat
- I** Automa di lavaggio in controcorrente
- E** Programador de lavado a contracorriente

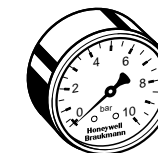
Z11S-A (230 V)
Z11S-B (24 V)

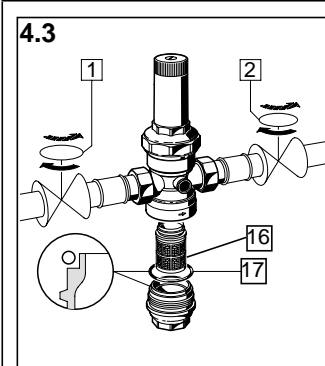
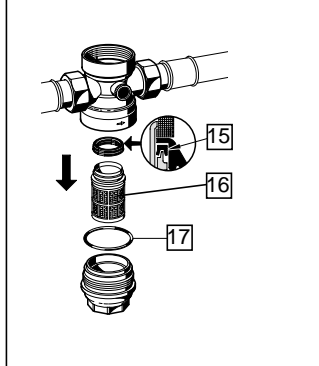
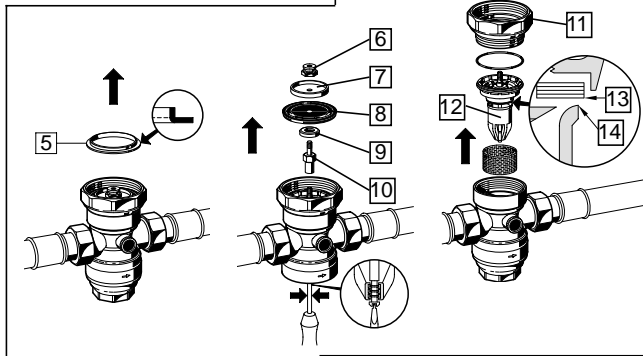
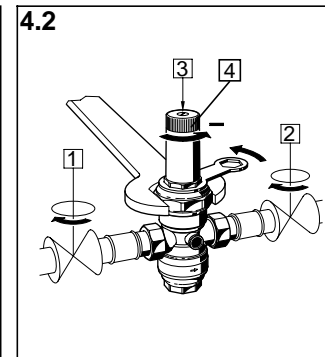
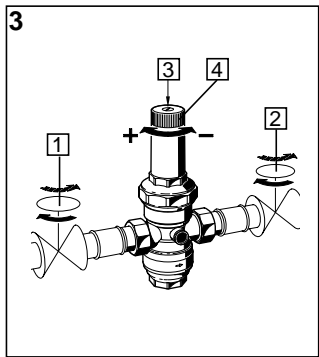
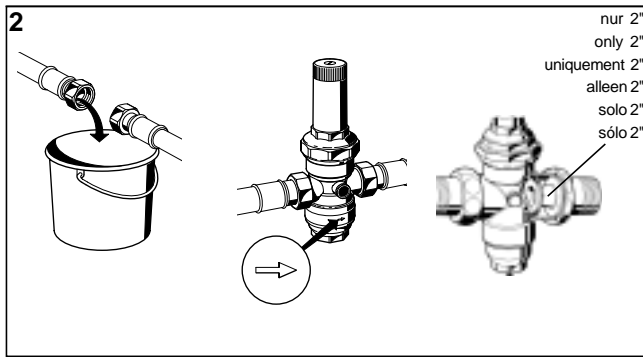


M07K

- D** Manometer
- GB** Pressure gauge
- F** Manomètre
- NL** Manometer
- I** Manometro
- E** Manómetro

M07K-A4	0 - 4 bar
M07K-A10	0 - 10 bar
M07K-A16	0 - 16 bar
M07K-A25	0 - 25 bar





Inhaltsübersicht

Seite

		Seite
(D)	1. Einbau	2
	2. Montage	2
	3. Hinterdruck einstellen	2
	4. Instandhaltung	2
	5. Verwendungsbereich	3
	6. Sicherheitshinweise	3
	7. Austauschteile und Zubehör	14

Index

Page

		Page
(GB)	1. Installation	4
	2. Assembly	4
	3. Setting outlet pressure	4
	4. Inspection and maintenance	4
	5. Scope of application	5
	6. Safety guidelines	5
	7. Replacement parts and accessories	14

Index

Page

		Page
(F)	1. Installation	6
	2. Montage	6
	3. Régler la pression aval	6
	4. Maintenance	6
	5. Domaine d'application	7
	6. Notes de sécurité	7
	7. Pièces de rechange et accessoires	14

Inhoudsopgave

Bladzijde

		Bladzijde
(NL)	1. Installatie	8
	2. Montage	8
	3. Uitlaatdruk instellen	8
	4. Instandhouding	8
	5. Toepassingsgebied	9
	6. Veiligheidsnotities	9
	7. Reserveonderdelen en toebehoren	14

Indice

Pagina

		Pagina
(I)	1. Installazione	10
	2. Montaggio	10
	3. Tarare la pressione a valle	10
	4. Manutenzione	10
	5. Campo di applicazione	11
	6. Note di sicurezza	11
	7. Pezzi di ricambio e accessori	14

Indice

Pagina

		Pagina
(E)	1. Instalación	12
	2. Montaje	12
	3. Calibrar la presión abajo	12
	4. Mantenencia	12
	5. Campo de aplicación	13
	6. Notas de seguridad	13
	7. Piezas de recambio y accesorios	14