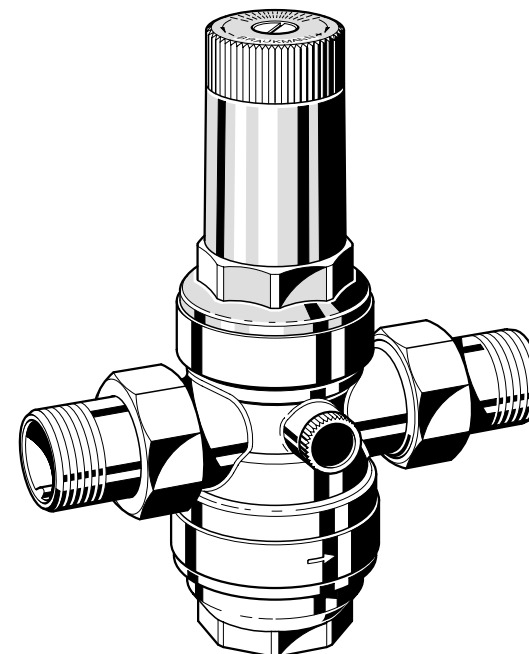


**D06FH**

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



Druckminderer Hochdruckausführung  
Pressure reducing valve, high pressure version  
Détendeur de haute pression  
Reduceerklep voor hoge druk  
Riduttore di alta pressione  
Reductor de alta presión

**Honeywell****Automation & Control Products**

Honeywell AG Phone: (49) 6261 810  
Hardhofweg Fax: (49) 6261 81309  
D-74821 Mosbach braukmann@honeywell.com

[www.honeywell.de/haustechnik](http://www.honeywell.de/haustechnik)  
<http://europe.hbc.honeywell.com>

MUTH-1003GE23 R0602

EB-D06FH-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 1 1/4" + 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 (1 1/4" + 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. Remove valve insert [6] with a pair of pliers and unscrew filter bowl [7].
  - Check that sealing washer [8], nozzle rim [9] and fluted ring [10] are in good condition and if necessary replace the complete valve insert [6]. Clean filter insert [11].
9. Assemble in reverse order.
  - ☞ Press membrane in with finger then position slip ring [5].
10. 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 [7].
5. Remove filter insert [11], clean and replace in bowl.
6. Lightly lubricate 'O'-ring [2] with silicon grease and place on filter bowl [7].
7. Screw filter bowl back on.
8. Slowly open valves [1] and [2].

## 5. Range of application

Medium:	Water and other non-aggressive liquids, compressed air*, nitrogen*
Inlet pressure:	Maximum 25 bar
Outlet pressure:	1.5 to 12 bar
Operating temperature:	Maximum 70 °C
Connection sizes:	1/2" to 2"

## 6. Safety guidelines

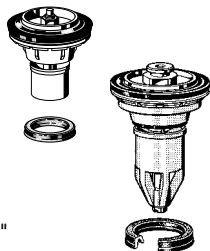
1. Use appliance:
  - In good condition
  - According to regulations and codes of practice
  - With due regard to safety and risk of danger.
2. Follow installation instructions.
3. Immediately rectify any malfunctions which may influence safety.
4. D06FH pressure reducing valves are exclusively for use 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.

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

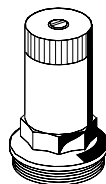
**(D) 7. Ersatzteile und Zubehör**  
**(GB) 7. Replacement parts and accessories**  
**(F) 7. Pièces de rechange et accessoires**  
**(NL) 7. Reserveonderdelen en toebehoren**  
**(I) 7. Pezzi di ricambio e accessori**  
**(E) 7. Piezas de recambio y accesorios**

**D06FA**

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



- (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



D06FA-1/2	1/2" + 3/4"
D06FA-1B	1" + 1 1/4"
D06FA-1 1/2	1 1/2" + 2"

0900227	1/2" + 3/4"
0900228	1" + 1 1/4"
0900229	1 1/2" + 2"

**ES06F**

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



**SM06T**

- (D) Messing-Siebtaße
- (GB) Brass filter cup
- (F) Pot de décantation en laiton
- (NL) Messing zeehouder
- (I) Tazza di filtro di ottone
- (E) Vaso de filtro de latón



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

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



**S06M**

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



S06K-1/4	1/4"
----------	------

S06M-1/4	1/4"
----------	------

**FN09S-AM**

- (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 zeehouder
- (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

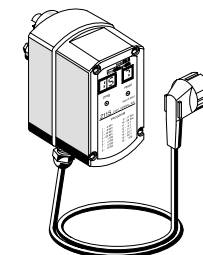


FN09S-1/2AM	1/2" + 3/4"
FN09S-1AMN	1" + 1 1/4"
FN09S-1 1/2AM	1 1/2" + 2"

**Z11S (in Verbindung mit FN09S)**

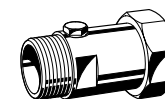
- (D) Rückspülautomatik
- (GB) Automatic reverse rinsing actuator
- (F) Automate de rinçage à contre-courant
- (NL) Terugspoelautomaat
- (I) Automa di lavaggio in contro-corrente
- (E) Automata de enjuague a contracorriente

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



**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"

**M07K**

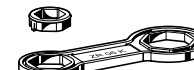
- (D) Manometer
- (GB) Pressure gauge
- (F) Manomètre
- (NL) Manometer
- (I) Manometro
- (E) Manómetro



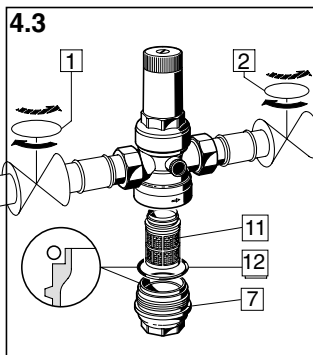
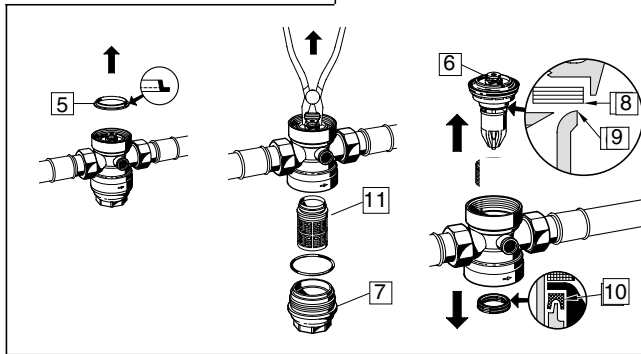
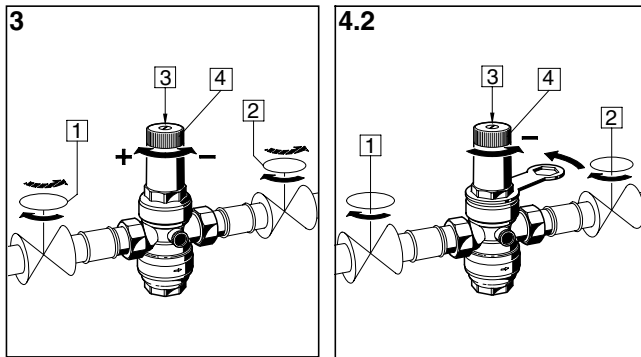
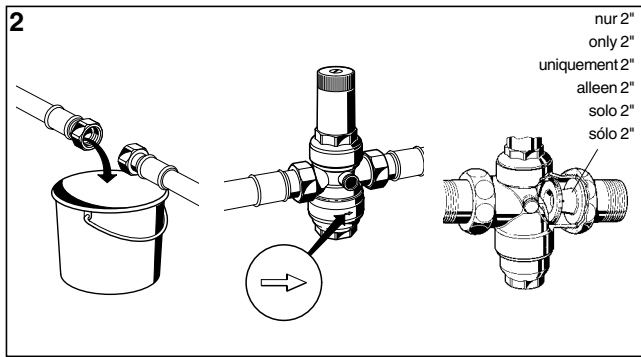
M07K-A4	0 - 4 bar
M07K-A10	0 - 10 bar
M07K-A16	0 - 16 bar
M07K-A25	0 - 25 bar

**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"
-------	-----------



## Inhaltsübersicht

Seite

<b>(D)</b>	1. Einbau	2
	2. Montage	2
	3. Hinterdruck einstellen	2
	4. Instandhaltung	2
	5. Verwendungsbereich	3
	6. Sicherheitshinweise	3
	7. Ersatzteile und Zubehör	14

## Index

Page

<b>(GB)</b>	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

<b>(F)</b>	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

<b>(NL)</b>	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

<b>(I)</b>	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

Página

<b>(E)</b>	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