PRESSURE CONTROL

# Back pressure regulators UV 4.5 ASME

Standard valve for medium to high flow rates

## Technical data

| | |
|---|---|
| Connection NPS | 1/2 - 4 |
| Flange class | 150 - 300 |
| $PS_{max}$* | 4 - 145 psi |
| $C_{vs}$ value | 6 - 75 US gal/min. |
| $K_{vs}$value | 5 - 65 m³/h |
| Temperature | 266 °F (steam 302 °F) |
| | 130 °C (steam 150 °C) |
| Medium | liquids, gases and steam |

## Description

Self-acting back pressure regulators are simple control valves offering accurate control while being easy to install and maintain. They control the pressure upstream of the valve without requiring pneumatic or electrical control elements.
The back pressure regulator UV 4.5 ASME is a diaphragm-operated, spring-loaded and balanced proportional valve for high flow rates. The valve body is made of cast steel. Diaphragm housing, bonnet and internal parts are made of stainless steel. The valve cone is fitted with a soft seal.
The inlet pressure to be controlled is balanced across the valve seat by the force of the valve spring (set pressure). If the inlet pressure rises above the set pressure, the valve opens. With decreasing inlet pressure the valve control orifice reduces, when the pipeline is depressurised, the valve is closed. Rotating the adjusting screw clockwise increases the inlet pressure.
The valves only work with a laid control line (to be laid by the operator).
These valves are no shut-off elements ensuring a tight closing of the valve. In accordance with DIN EN 60534-4 and/or ANSI FCI 70-2 they may feature a leakage rate in closed position in compliance with the leakage classes V optional IV.

## Standard

- Body made of 1.0619 (GS-C25 / A216-WCB)
- Diaphragm housing and closed bonnet made from stainless steel 316L (1.4404)
- Internal parts made of stainless steel 316L / S31803 (1.4404 / 1.4462)
- Leakage line connection and sealed adjusting screw
- Balanced cone for soft opening and quick closing
- Sense line connection
- EPDM elastomers

## Options

- FKM elastomers
- PTFE protection foil for diaphragm

## Please specify on order

| **Please specify on order:** | |
|---|---|
| » Nominal diameter DN | » Flange PN |
| » $K_{vs}$-Value | » Pressure range |
| » Body material | » Elastomeres |

Example: UV 4.5, DN 50, PN 40, $K_{vs}$ 30 m³/h, 2 - 5 bar, GP240GH, EPDM

## Product



Picture similar

## Technical specification

| **$C_{vs}$ values [US gal/min]** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NPS | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| 4 - 75 psi | 6 | 8 | 8 | 34 | 34 | 75 | 75 | 75 |
| 60 - 145 psi | 6 | 8 | 8 | 34 | 34 | 58 | 58 | 58 |

| **$K_{vs}$ values [m³/h]** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NPS | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| 0.3 - 5 bar | 5 | 7 | 7 | 30 | 30 | 65 | 65 | 65 |
| 4.5 - 10 bar | 5 | 7 | 7 | 30 | 30 | 50 | 50 | 50 |

| **Pressure ranges [bar / psi]** | | | | | |
|---|---|---|---|---|---|
| pressure range | bar | 0.3 - 1.1 | 0.8 - 2.5 | 2 - 5 | 4.5 - 10 |
| pressure range | psi | 4 - 16 | 10 - 35 | 30 - 75 | 60 - 145 |

| **Max. operating pressures PS with operating temperature TS** | | | | |
|---|---|---|---|---|
| TS | setting range [bar] | | | |
| | 0.3 - 1.1 | 0.8 - 2.5 | 2 - 5 | 4.5 - 10 |
| -10 up to 150 °C | 1.65 bar | 3.75 bar | 7.5 bar | 15 bar |

| **Max. operating pressures PS with operating temperature TS** | | | | |
|---|---|---|---|---|
| TS | setting range [psi] | | | |
| | 4 - 16 | 10 - 35 | 30 - 75 | 60 - 145 |
| -20 up to 302 °F | 25 psi | 55 psi | 110 psi | 220 psi |

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Please send us your enquiry and allow us to advise you. Special designs on request.
The pressure has always been indicated as overpressure. Mankenberg reserves the right to alter technical specifications without notice.

# Back pressure regulators UV 4.5 ASME

Standard valve for medium to high flow rates

## Materials

| Materials | |
|---|---|
| Body | A216-WCB (GP240GH - 1.0619) optional stainless steel 1.4408 (CF8M) |
| Diaphragm housing | Stainless steel 1.4404 (316L) |
| Bonnet | Stainless steel 1.4404 (316L) |
| Internal parts | Stainless steel 316L / S31803 (1.4404 / 1.4462) |
| Valve seal | Elastomeres optionally made of FKM, PTFE protection foile |
| Diaphragm | Elastomeres optionally made of FKM, PTFE protection foile |
| O-ring (release) | Elastomeres optionally made of FKM, PTFE protection foile |

*all materials equal or of higher quality

## Dimensions and weights

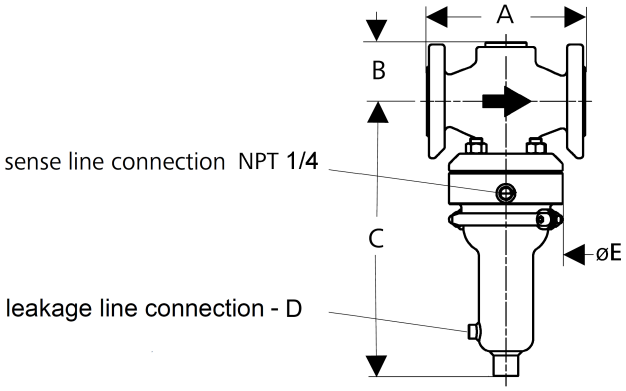
**Dimensions [mm]**

| size | class | nominal diameter | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 1/2" | 3/4" | 1" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
| A* | 150 | 184 | 184 | 184 | 222 | 254 | 276 | 298 | 352 |
| | 300 | 190 | 194 | 197 | 235 | 267 | 292 | 318 | 368 |
| B | | 60 | 60 | 60 | 75 | 75 | 112 | 112 | 112 |
| C | | 115 | 115 | 115 | 208 | 208 | 220 | 220 | 220 |
| D | | NPT 1/8" | | | | | NPT 1/4" | | |
| øE | | 115 | 115 | 115 | 208 | 208 | 220 | 220 | 220 |

**Dimensions [inch]**

| size | class | nominal diameter | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 1/2" | 3/4" | 1" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
| A* | 150 | 7.25 | 7.25 | 7.25 | 8.75 | 10 | 10.88 | 11.75 | 13.88 |
| | 300 | 7.5 | 7.62 | 7.75 | 9.25 | 10.5 | 11.5 | 12.5 | 14.5 |
| B | | 2.36 | 2.36 | 2.36 | 2.95 | 2.95 | 4.41 | 4.41 | 4.41 |
| C | | 11 | 11 | 11 | 17.4 | 17.4 | 20.2 | 20.2 | 20.2 |
| D | | NPT 1/8" | | | | | NPT 1/4" | | |
| øE | | 4.5 | 4.5 | 4.5 | 8.2 | 8.2 | 8.7 | 8.7 | 8.7 |

*Length tolerances according to ANSI/ISA-75.08.01-2016




**Weights**

| Class | NPS | 1/2" | 3/4" | 1" | 1 1/2" | 2" | 2 1/2" | 3" | 4" |
|---|---|---|---|---|---|---|---|---|---|
| 150 | kg | 9.5 | 10 | 10.5 | 35 | 38 | 66.5 | 68.5 | 75 |
| | lbs | 21 | 22 | 23 | 77 | 84 | 146.5 | 151 | 165 |
| 300 | kg | 10 | 11 | 12 | 37.5 | 39 | 68.5 | 72.5 | 83 |
| | lbs | 22 | 24 | 26.5 | 82.5 | 86 | 151 | 160 | 183 |

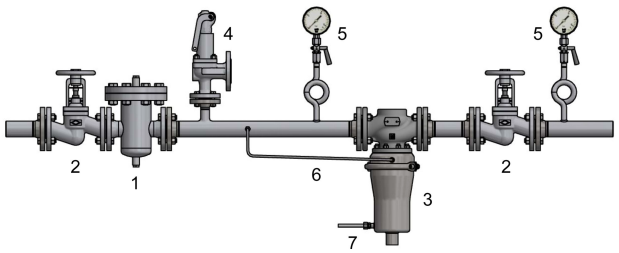
**Customs tariff number**

84814010

## Recommended installation

| | | | |
|---|---|---|---|
| 1 | Strainer | 5 | Pressure gauge |
| 2 | Shut-off valves | 6 | Sense line |
| 3 | Back presssure regulator | 7 | Leakage line |
| 4 | Safety valves | | |

Sense line connection 10 - 20 x DN before the valve




Please send us your enquiry and allow us to advise you. Special designs on request.
The pressure has always been indicated as overpressure. Mankenberg reserves the right to alter technical specifications without notice.



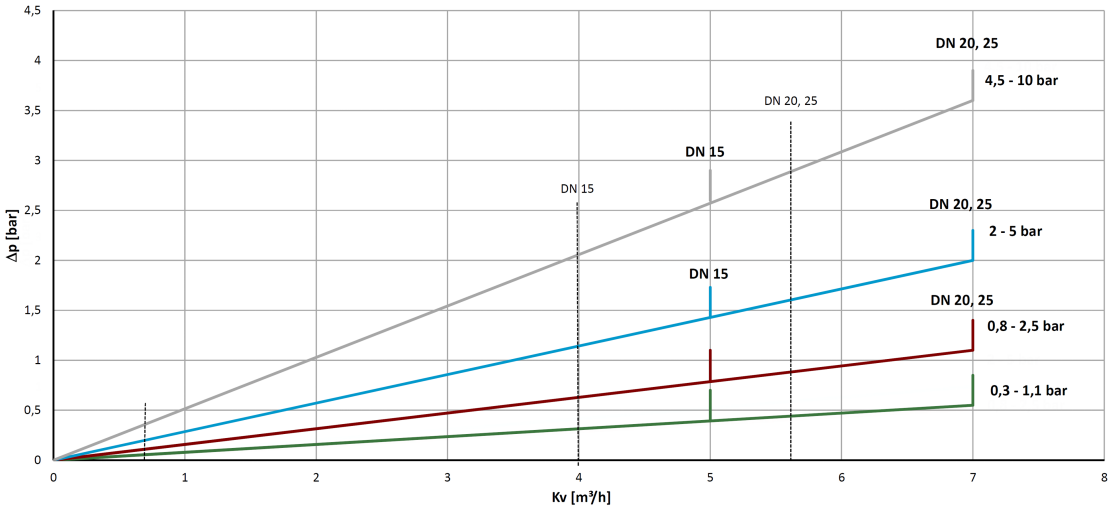
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# Back pressure regulators UV 4.5 ASME

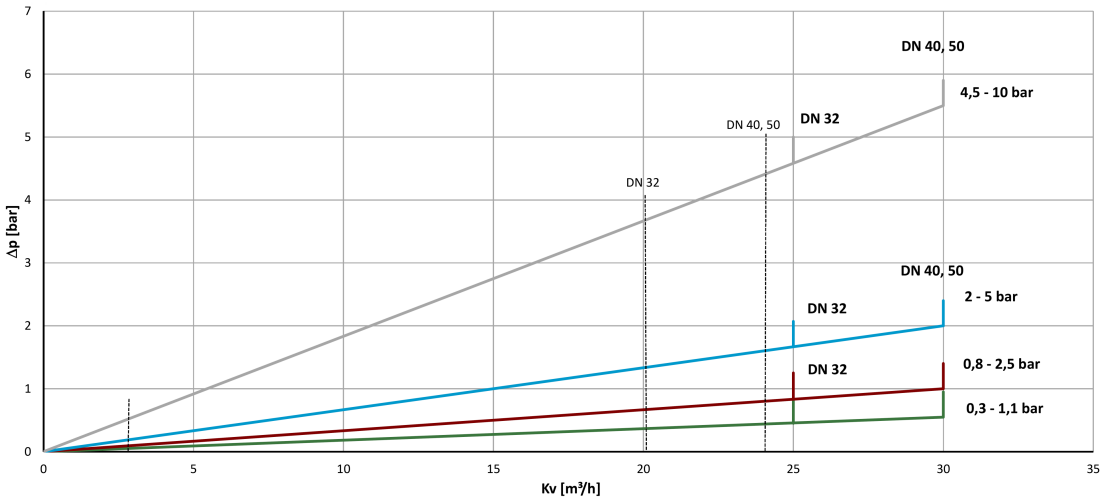
Standard valve for medium to high flow rates

## Appendix

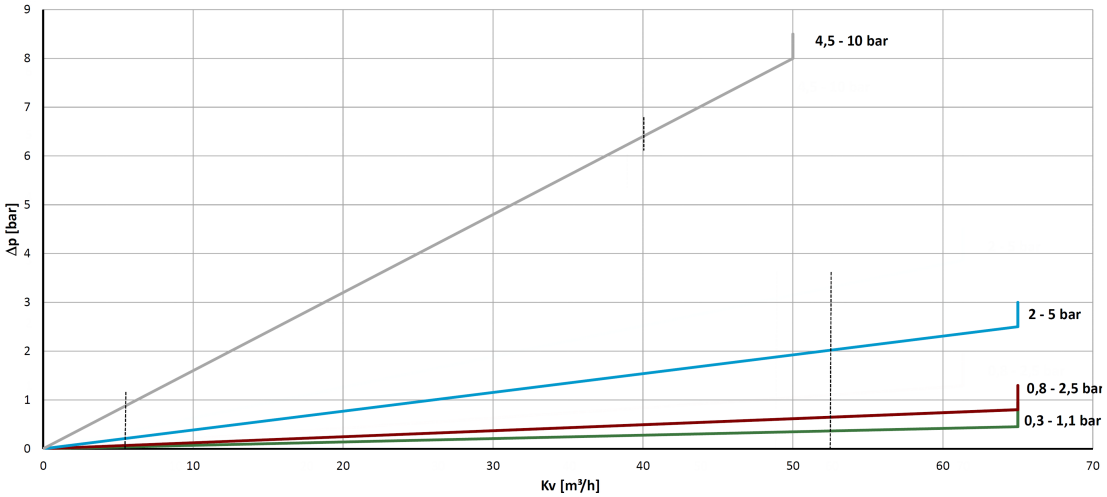
DN 15 - 25




DN 32 - 50




DN 65 - 100




Δp = pressure rise Kv = flow coefficient

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DRUCKREGELUNG

# Überströmventil UV 4.5 ASME

Standardventil für mittlere bis hohe Durchsätze

## Technische Daten

| | |
|---|---|
| Anschluss NPS | 1/2 - 4 |
| Flansch Class | 150 - 300 |
| Vordruck | 4 - 145 psi |
| | 0,3 - 10 bar |
| $C_{vs}$-Wert | 6 - 75 US gal/min. |
| $K_{vs}$-Wert | 5 - 65 m³/h |
| Temperatur | 266 °F (Dampf 302°F) |
| | 130 °C (Dampf 150 °C) |
| Medium | Flüssigkeiten, Gase und Dampf |

## Beschreibung

Selbsttätig regelnde Überströmventile sind einfache Basisregler, die genaue Regelung bei leichter Installation und Wartung bieten. Sie regeln den Druck vor dem Ventil ohne pneumatische oder elektrische Steuerteile.
Das Überströmventil UV 4.5 ASME ist ein membrangesteuerter, federbelasteter Proportionalregler mit Entlastung für hohe Durchsätze. Das Ventilgehäuse ist aus Stahlguss. Membrangehäuse, Federhaube und Innenteile sind aus rostfreiem Stahl. Der Ventilkegel ist weichdichtend ausgeführt.
Am Steuerteil steht der zu regelnde Vordruck im Gleichgewicht mit der Kraft der Ventilfeder (Sollwert). Steigt der Vordruck über den an der Stellschraube eingestellten Wert, öffnet das Ventil. Bei fallendem Vordruck verkleinert sich der Drosselquerschnitt, bei druckloser Leitung ist das Ventil geschlossen. Drehen der Stellschraube im Uhrzeigersinn erhöht den Vordruck.
Die Ventile arbeiten nur mit verlegter Steuerleitung (bauseits zu verlegen). Diese Ventile sind keine Absperrorgane, die einen dichten Ventilabschluss gewährleisten. Sie können in der Schließstellung nach DIN EN 60534-4 und/ oder ANSI FCI 70-2 eine Leckrate entsprechend der Leckageklasse V aufweisen.

## Standard

- Gehäuse aus Stahlguss 1.0619 (GS-C25 / A216-WCB)
- Membrangehäuse und geschlossene Federhaube aus rostfreiem Stahl 316L (1.4404)
- Innenteile aus rostfreiem Stahl 316L / S31803 (1.4404 / 1.4462)
- Leckleitungsanschluss mit Stellschraubenabdichtung
- Entlasteter Kegel für sanftes öffnen und schnelles Schließen
- Steuerleitungsanschluss
- EPDM Elastomere

## Optionen

- Elastomere aus FKM
- Teflonschutzfolie für Membrane

## Bei Bestellung bitte angeben

| **Bei Bestellung bitte angeben:** | |
|---|---|
| » Nennweite DN | » FlanschPN |
| » $K_{vs}$-Wert | » Druckbereich |
| » Gehäusewerkstoff | » Elastomere |

Bsp.: UV 4.5, DN 50, PN 40, Kvs 30 m³/h, 2 - 5 bar, GP240GH, EPDM

## Produkt



Abbildung ähnlich

## Technische Spezifikation

| **$C_{vs}$-Werte [US gal/min]** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NPS | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| 4 - 75 psi | 6 | 8 | 8 | 34 | 34 | 75 | 75 | 75 |
| 60 - 145 psi | 6 | 8 | 8 | 34 | 34 | 58 | 58 | 58 |

| **$K_{vs}$-Wert [m³/h]** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NPS | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| 0,3 - 5 bar | 5 | 7 | 7 | 30 | 30 | 65 | 65 | 65 |
| 4,5 - 10 bar | 5 | 7 | 7 | 30 | 30 | 50 | 50 | 50 |

| **Druckbereiche [bar / psi]** | | | | | |
|---|---|---|---|---|---|
| Druckbereich | bar | 0,3 - 1,1 | 0,8 - 2,5 | 2 - 5 | 4,5 - 10 |
| Druckbereich | psi | 4 - 16 | 10 - 35 | 30 - 75 | 60 - 145 |

| **max. Betriebsdrücke PS bei Betriebstemperatur TS** | | | | |
|---|---|---|---|---|
| TS | Einstellbereich [bar] | | | |
| | 0,3 - 1,1 | 0,8 - 2,5 | 2 - 5 | 4,5 - 10 |
| -10 bis 150 °C | 1,65 bar | 3,75 bar | 7,5 bar | 15 bar |

| **max. Betriebsdrücke PS bei Betriebstemperatur TS** | | | | |
|---|---|---|---|---|
| TS | Einstellbereich [psi] | | | |
| | 4 - 16 | 10 - 35 | 30 - 75 | 60 - 145 |
| -20 bis 302 °F | 25 psi | 55 psi | 110 psi | 220 psi |

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# Überströmventil UV 4.5 ASME

Standardventil für mittlere bis hohe Durchsätze

## Werkstoffe

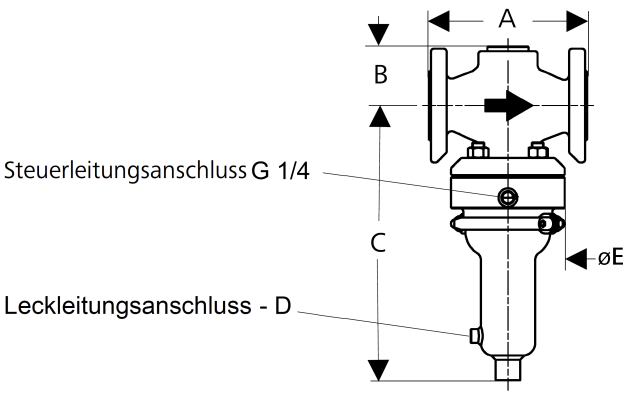
| Werkstoffe* | |
|---|---|
| Gehäuse | A216-WCB (GP240GH - 1.0619) optional aus Edelstahl 1.4408 (CF8M) |
| Membrangehäuse | Edelstahl 1.4404 (316L) |
| Federhaube | Edelstahl 1.4404 (316L) |
| Innenteile | Edelstahl 316L / S31803 (1.4404 / 1.4462) |
| Ventildichtung | EPDM Elastomere optional aus FKM, PTFE Schutzfolie |
| Membrane | EPDM Elastomere optional aus FKM, PTFE Schutzfolie |
| O-Ring (Entlastung) | EPDM Elastomere optional aus FKM, PTFE Schutzfolie |

*Alle Werkstoffe gleich- oder höherwertig

## Abmessungen und Gewichte

**Abmessungen [mm]**

| Maß | Class | Nennweite NPS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| A* | 150 | 184 | 184 | 184 | 222 | 254 | 276 | 298 | 352 |
| | 300 | 190 | 194 | 197 | 235 | 267 | 292 | 318 | 368 |
| B | | 60 | 60 | 60 | 75 | 75 | 112 | 112 | 112 |
| C | | 115 | 115 | 115 | 208 | 208 | 220 | 220 | 220 |
| D | | NPT 1/8 | | | | | NPT 1/4 | | |
| ØE | | 115 | 115 | 115 | 208 | 208 | 220 | 220 | 220 |




**Abmessungen [inch]**

| Maß | Class | Nennweite NPS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| A* | 150 | 7,25 | 7,25 | 7,25 | 8,75 | 10 | 10,88 | 11,75 | 13,88 |
| | 300 | 7,5 | 7,62 | 7,75 | 9,25 | 10,5 | 11,5 | 12,5 | 14,5 |
| B | | 2,36 | 2,36 | 2,36 | 2,95 | 2,95 | 4,41 | 4,41 | 4,41 |
| C | | 11 | 11 | 11 | 17,4 | 17,4 | 20,2 | 20,2 | 20,2 |
| D | | NPT 1/8 | | | | | NPT 1/4 | | |
| Ø E | | 4,5 | 4,5 | 4,5 | 8,2 | 8,2 | 8,7 | 8,7 | 8,7 |

*Baulängentoleranzen gemäß ANSI/ISA-75.08.01-2016

**Gewichte**

| Class | NPS | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
|---|---|---|---|---|---|---|---|---|---|
| 150 | kg | 9,5 | 10 | 10,5 | 35 | 38 | 66,5 | 68,5 | 75 |
| | lbs | 21 | 22 | 23 | 77 | 84 | 146,5 | 151 | 165 |
| 300 | kg | 10 | 11 | 12 | 37,5 | 39 | 68,5 | 72,5 | 83 |
| | lbs | 22 | 24 | 26,5 | 82,5 | 86 | 151 | 160 | 183 |

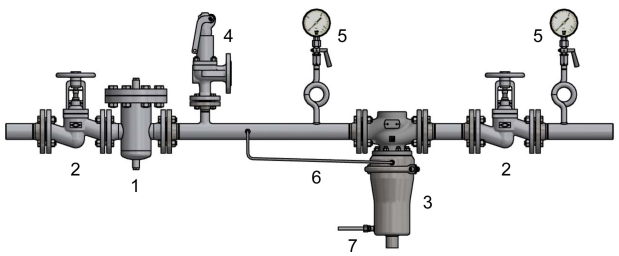
**Zolltarifnummer**

84814010

## Einbauschema

| | | | |
|---|---|---|---|
| 1 | Schmutzfänger | 5 | Manometer |
| 2 | Absperrventile | 6 | Steuerleitung |
| 3 | Überströmventil | 7 | Leckleitung |
| 4 | Sicherheitsventil | | |

Steuerleitungsanschluss 10 - 20 mal DN vor dem Ventil



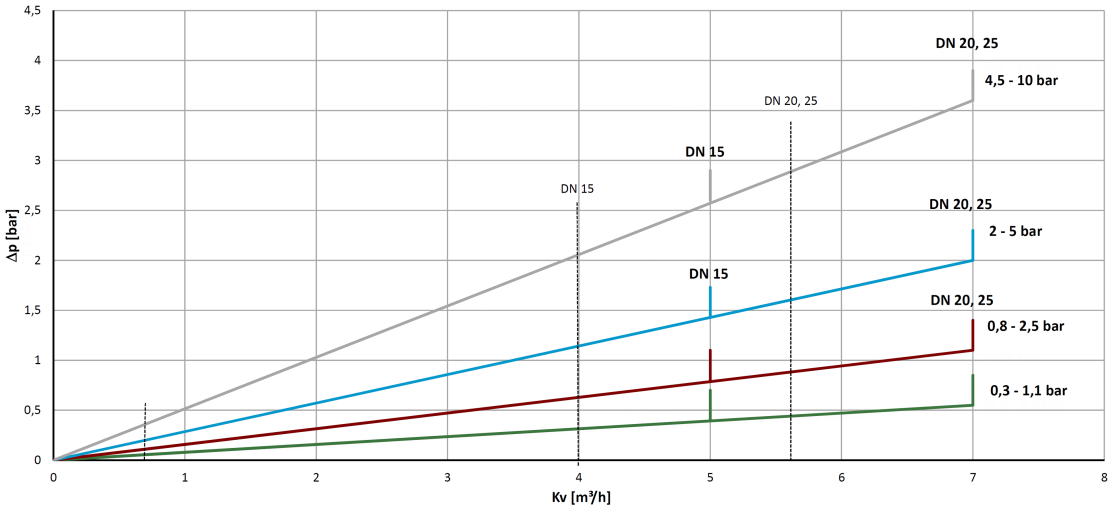

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# Überströmventil UV 4.5 ASME

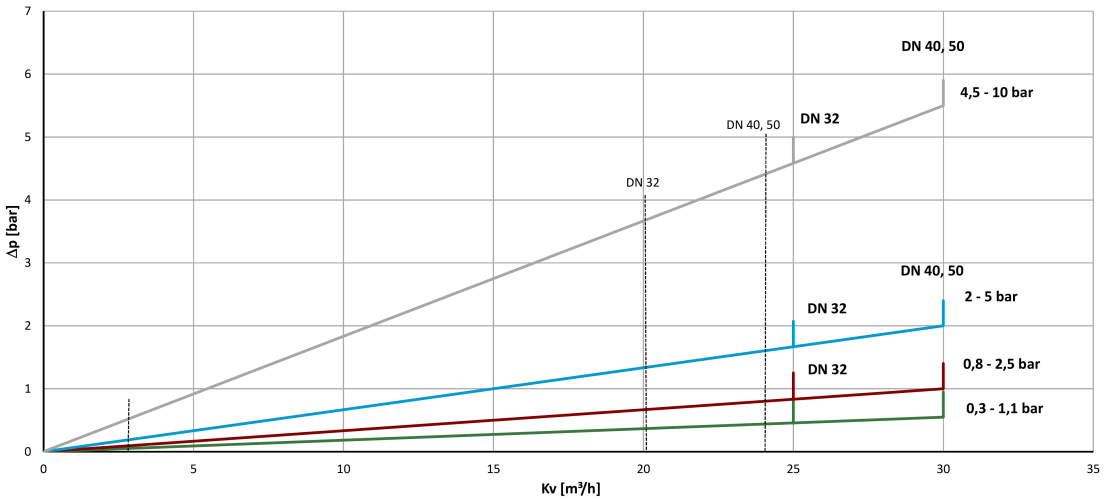
Standardventil für mittlere bis hohe Durchsätze

## Anhang

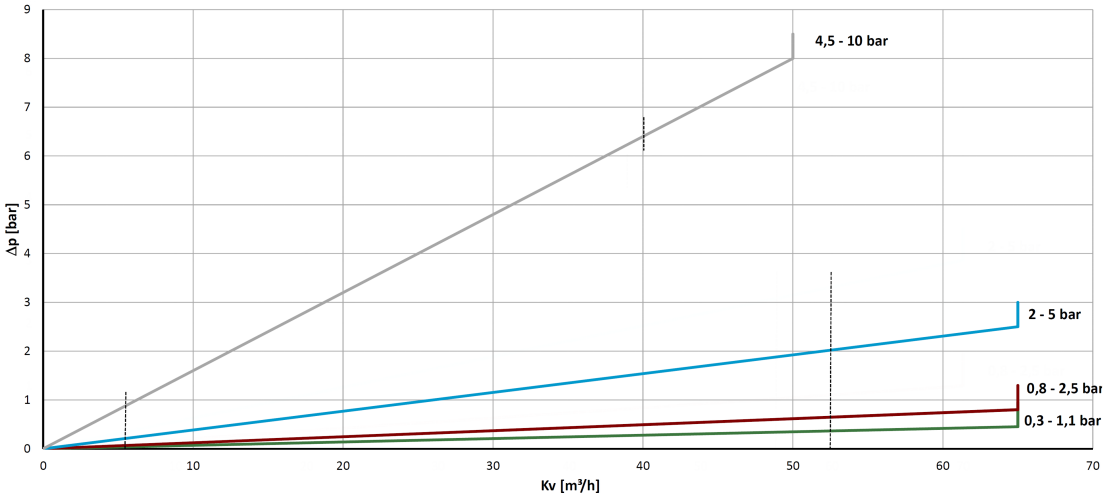
DN 15 - 25




DN 32 - 50




DN 65 - 100




Δp = Druckanstieg $K_v$ = Durchflusskoeffizient

Sprechen Sie uns an und lassen Sie sich beraten. Alle Druckangaben als Überdruck angegeben. Sonderausführungen auf Anfrage. Technische Änderungen vorbehalten.

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压力调节

# 溢流阀 UV 4.5 ASME

中到大流量的标准阀门

## 技术参数

| | |
|---|---|
| 接口 NPS | 1/2 - 4 |
| 压力温度等级 | 150 - 300 |
| 阀前压力 | 4 - 145 psi |
| $C_v$值 | 6 - 75 US gal/min. |
| $K_v$值 | 5 - 65 m³/h |
| 温度 | 266 °F (蒸汽 302°F) |
| | 130 °C (蒸汽 150 °C) |
| 介质 | 液体，气体，蒸汽 |

## 描述

自力式溢流阀是简单的基本调节阀, 在简便安装和维护条件下精确调 节.它们调节阀前压力无需气动或电控部件.
溢流阀UV 4.5 ASME为膜片控制, 碳簧加载的比例调节阀, 带平衡阀芯, 适用于大流量调节。 阀体为铸钢。 膜片室, 弹簧罩和内部构件为不锈钢。 阀芯软密封设计。
需要调节的阀前压力和阀门弹簧力(设定值)在控制部分处于平衡.阀前压力超过调节螺栓处的设定值时，阀门开启.阀前压力下降时， 截流面缩小，阀门在无压管道上处于关闭状态.顺时针旋转调节螺栓，阀前压力升高.
该调节阀只能在控制管连好后工作(建设方连接)。
此阀门不是能够完全保证密封的截止阀。它们根据DIN EN 60534-4 和/或 ANSI FCI 70-2标准要求按关闭设置不同有 V级的泄漏等级。

## 标准配置

- 阀体铸钢(GS-C 25/A216WCB)
- 膜片室和封闭弹簧罩为不锈钢1.4404 (316L)
- 内部元件不锈钢1.4404 / 1.4462 (316L / S31803)
- 泄漏管接口带调节螺栓密封g
- 平衡阀锥使阀后压力的调节不受阀前压力影响
- 控制管道接口
- EPDM 合成橡胶

## 可选配置

- 合成橡胶可选 FKM
- PTFE 保护膜

## 请在订购时给出:

| 请在订购时给出: | |
|---|---|
| » 公称直径 DN | » 公称压力 |
| » $K_{VS}$-值 | » 压力范围 |
| » 阀体材料 | »合成橡胶 |

例如: UV 4.5, DN 50, PN 40, Kvs 30 m³/h, 2 - 5 bar, GP240GH, EPDM

## 产品



类似插图

## 技术参数

| $K_{VS}$-值 [m³/h] | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NPS | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| 0,3 - 5 bar | 5 | 7 | 7 | 30 | 30 | 65 | 65 | 65 |
| 4,5 - 10 bar | 5 | 7 | 7 | 30 | 30 | 50 | 50 | 50 |

| 压力范围 [bar / psi] | | | | | |
|---|---|---|---|---|---|
| 压力范围 | bar | 0,3 - 1,1 | 0,8 - 2,5 | 2 - 5 | 4,5 - 10 |
| 压力范围 | psi | 4 - 16 | 10 - 35 | 30 - 75 | 60 - 145 |

| 在工作温度PS下的最大工作压力[bar] TS -10 到 150 °C | | | | | |
|---|---|---|---|---|---|
| 温度 | bar | 0,3 - 1,1 | 0,8 - 2,5 | 2 - 5 | 4,5 - 10 |
| 设定范围 PS | bar | 1,65 | 3,75 | 7,5 | 15 |

| 在工作温度PS下的最大工作压力[bar] TS -10 到 150 °C | | | | | |
|---|---|---|---|---|---|
| 温度 | bar | 0,3 - 1,1 | 0,8 - 2,5 | 2 - 5 | 4,5 - 10 |
| 设定范围 PS | psi | 25 | 55 | 110 | 220 |

| 在工作温度PS下的最大工作压力 TS | | | | |
|---|---|---|---|---|
| TS | 设定范围 [bar] | | | |
| | 0,3 - 1,1 | 0,8 - 2,5 | 2 - 5 | 4,5 - 10 |
| -10至150 °C | 1,65 bar | 3,75 bar | 7,5 bar | 15 bar |

| 在工作温度PS下的最大工作压力 TS | | | | |
|---|---|---|---|---|
| TS | 设定范围 [psi] | | | |
| | 4 - 16 | 10 - 35 | 30 - 75 | 60 - 145 |
| -20至302 °F | 25 psi | 55 psi | 110 psi | 220 psi |

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压力调节

# 溢流阀 UV 4.5 ASME

中到大流量的标准阀门

## 材料

| 材料* | |
|---|---|
| 阀体 | A216-WCB (GP240GH - 1.0619) , 也可选1.4408 (CF8M)不锈钢 |
| 膜片室 | 不锈钢 1.4404 (316L) |
| 弹簧罩 | 不锈钢 1.4404 (316L) |
| 内部元件 | 不锈钢 316L / S31803 (1.4404 / 1.4462) |
| 阀门密封 | EPDM |
| 膜片 | EPDM |
| O型圈 (平衡) | EPDM |

*所有材料相同或更优

## 尺寸和重量

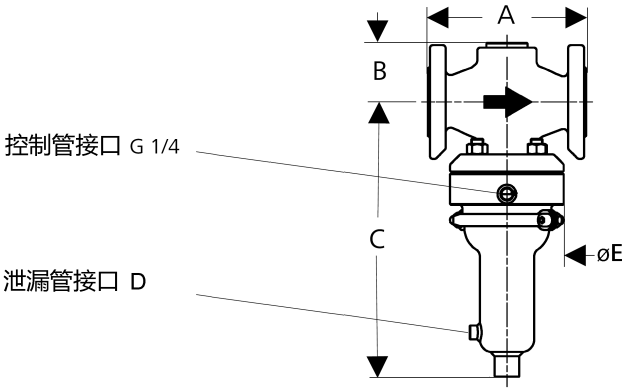
**尺寸 [mm]**

| 尺寸 | Class | 公称直径 NPS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| A* | 150 | 184 | 184 | 184 | 222 | 254 | 276 | 298 | 352 |
| | 300 | 190 | 194 | 197 | 235 | 267 | 292 | 318 | 368 |
| B | | 60 | 60 | 60 | 75 | 75 | 112 | 112 | 112 |
| C | | 115 | 115 | 115 | 208 | 208 | 220 | 220 | 220 |
| D | | NPT 1/8 | | | | | NPT 1/4 | | |
| ØE | | 115 | 115 | 115 | 208 | 208 | 220 | 220 | 220 |

**尺寸 [inch]**

| 尺寸 | Class | 公称直径 NPS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
| A* | 150 | 7,25 | 7,25 | 7,25 | 8,75 | 10 | 10,88 | 11,75 | 13,88 |
| | 300 | 7,5 | 7,62 | 7,75 | 9,25 | 10,5 | 11,5 | 12,5 | 14,5 |
| B | | 2,36 | 2,36 | 2,36 | 2,95 | 2,95 | 4,41 | 4,41 | 4,41 |
| C | | 11 | 11 | 11 | 17,4 | 17,4 | 20,2 | 20,2 | 20,2 |
| D | | NPT 1/8 | | | | | NPT 1/4 | | |
| Ø E | | 4,5 | 4,5 | 4,5 | 8,2 | 8,2 | 8,7 | 8,7 | 8,7 |

* 安装长度误差根据标准ANSI/ISA-75.08.01-2016




**重量**

| Class | NPS | 1/2 | 3/4 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
|---|---|---|---|---|---|---|---|---|---|
| 150 | kg | 9,5 | 10 | 10,5 | 35 | 38 | 66,5 | 68,5 | 75 |
| | lbs | 21 | 22 | 23 | 77 | 84 | 146,5 | 151 | 165 |
| 300 | kg | 10 | 11 | 12 | 37,5 | 39 | 68,5 | 72,5 | 83 |
| | lbs | 22 | 24 | 26,5 | 82,5 | 86 | 151 | 160 | 183 |

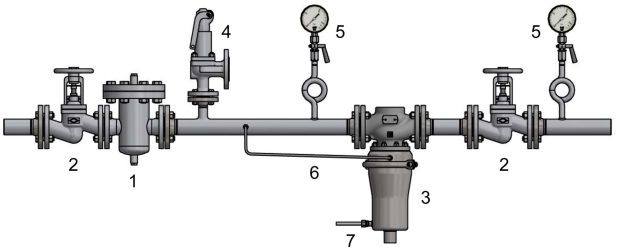
**税务编号**

84814010

## 安装示意图

1 除尘器
2 截止阀
3 溢流阀
4 安全阀
5 压力表
6 控制管路
7 泄漏管

控制管路接口在距阀门前10-20倍管径处

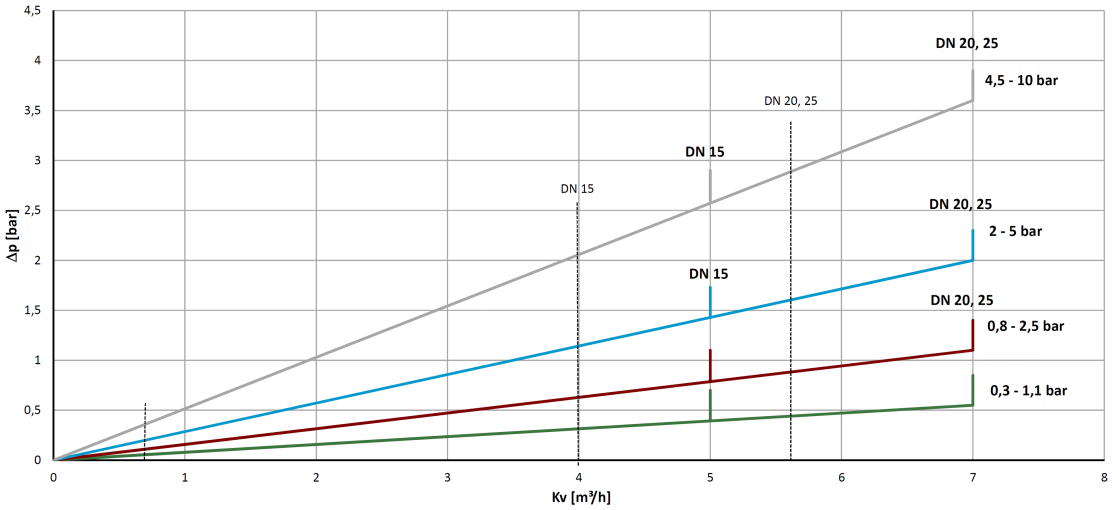



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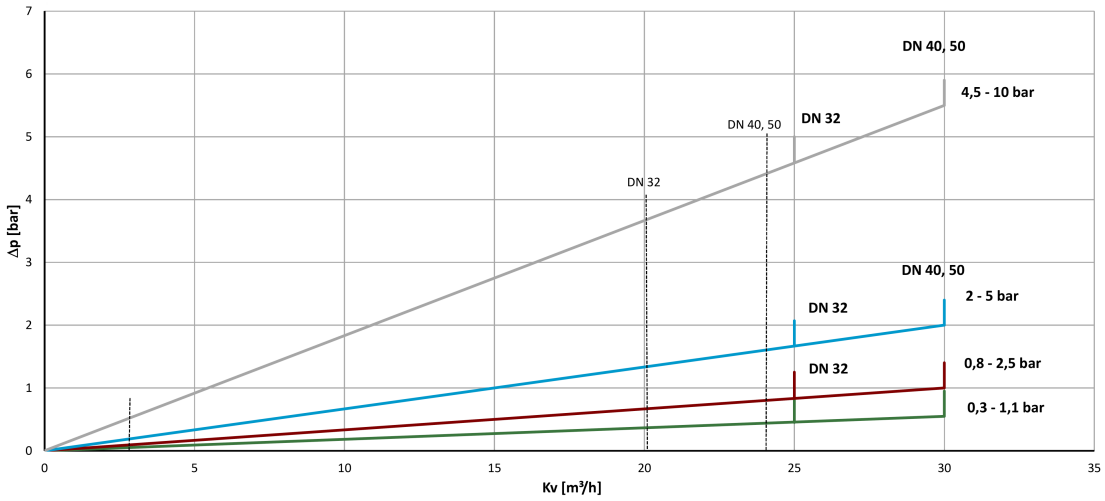
请务必重视说明书、专业知识和安全提示。所有压力数据均为表压。保留技术上的变更权。

## 压力升高（以设定值为基准）

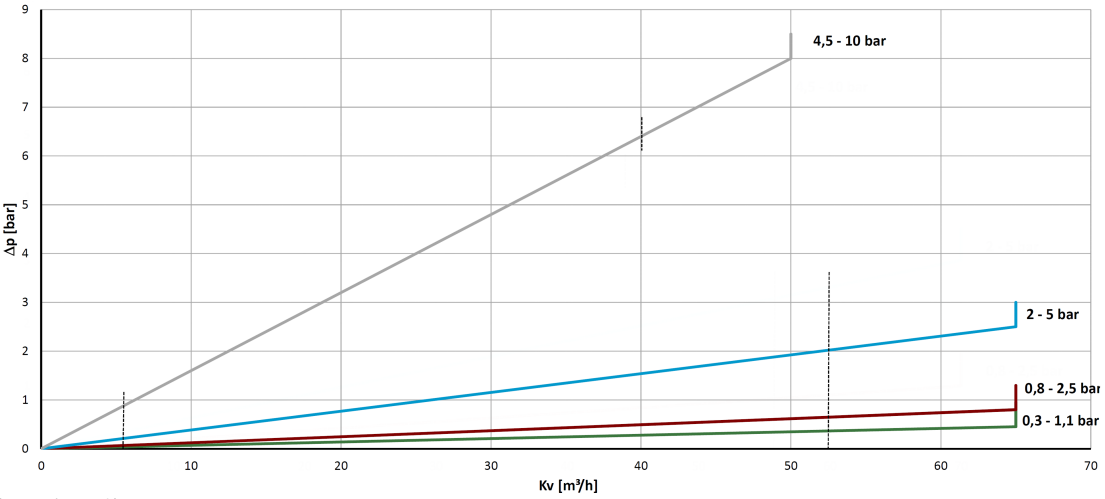
DN 15 - 25




DN 32 - 50




DN 65 - 100




ΔP =压力升高 $k_v$ =流量系数

请务必重视说明书、专业知识和安全提示。所有压力数据均为表压。保留技术上的变更权。

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