→ Series 382

382

Pressure reducing valves made of polyamide-coated graphite cast iron with flanged connections

IN DEVELOPMENT
DN80
DN100
DN125
DN150
DN200

SUITABLE FOR

- Potable water cold
- Potable water warm

EXAMPLES OF USE

Protection of supply networks, water supply systems in apartment buildings, commercial and industrial buildings or machines against excessive supply pressure. Use of pressure reducers when a constant supply pressure is required in the system.

- Protection against excess pressure
- Increasing comfort and reducing water consumption

- Drinking water supply systems
- Service water supply in industrial and building services engineering
- Machines / systems with connection to the drinking water network

FEATURES

- Upstream pressure balanced diaphragm pressure reducer, constant downstream pressure even with highly fluctuating upstream pressures
- First-class flow performance and pressure control
- High-quality, vortex-sintered polyamide coating provides excellent, long-lasting corrosion protection and cavitation resistance
- Adjustment dial for setting without operating pressure; bonnet can be positionable
- Valve insert as cartridge for easy and quick maintenance
- incl. flange gaskets made of EPDM with steel core (3mm) according to EN1514 (Approvals: Elastomer Guideline (W270, WRAS, ACS and FDA), temperature range -40 – 110°C) & pressure gauges on inlet and outlet side
- Lead-free in the contact area with drinking water

MATERIAL

LEAD FREE

SPECIFICATION

DN50 to DN65

+ 5°C to + 65°C

Inlet pressure: up to 25 bar
Outlet pressure: 0,5 to 12 bar
depending on version

APPROVALS

UBA Conformity Confirmation Hygiene | pending

DIN-DVGW type examination (up to 30°C) | pending

Type approval ACS | pending

Type approval WRAS (up to 60°C) | pending

Type approval PZH | pending

TR ZU 032/2013 - TR ZU 010/2011 | pending

Classification society

DIN EN 1567
UBA BWGL for metallic materials
KTW-BWGL

MATERIALS

Component	Material	DIN EN
Body	Spheroidal graphite cast iron	0.7043
Coating	Polyamide	Polyamide
Valve insert	Stainless steel / Rubber	1.4404/1.4408 | EPDM
Seal	Rubber	EPDM
Plug	Plastic	PA Glass fibre reinforced

Series 382 ■ VALVE VERSION

m	with diaphragm	High-quality, heat-resistant moulded elastomere, fabric-reinforced diaphragm. Pressure adjustment by means of non-rising spindle.

■ MEDIUM

F	liquid	for drinking water. Other medium on request.

■ TYPE OF LIFTING MECHANISM

0	without lifting device

■ OUTLET PRESSURE RANGES

SP	Standard version	Inlet pressure: up to 16 bar (PN 16) or 25 bar (PN 25, for DN50 - DN125)	Outlet pressure: from 1,5 to 7 bar
HP	High-pressure version (from DN 50 to DN 125)	Inlet pressure: up to 16 bar (PN 16) or 25 bar (PN 25)	Outlet pressure: from 3 to 12 bar
LP	Low-pressure version (from DN 50 to DN 125)	Inlet pressure: up to 16 bar (PN 16)	Outlet pressure: from 0,5 to 3 bar

■ AVAILABLE NOMINAL DIAMETERS AND CONNECTION SIZES

Nominal diameter DN	**50**	**65**	80	100	125	150	200
Inlet / Outlet	50/50	65/65	80/80	100/100	125/125	150/150	200/200
	■	■	■	■	■	■	■

■ TYPE OF CONNECTION INLET / OUTLET FLANGE CONNECTIONS

FL / FL	Standard	Flange connection / flange connection	DIN EN 1092 / DIN EN 1092

■ NOMINAL PRESSURE RATING PN

PN16	nominal pressure rating PN16, maximum inlet pressure 16 bar	DN50 - DN200
PN25	nominal pressure rating PN25, maximum inlet pressure 25 bar	DN50 - DN125

■ SEALS

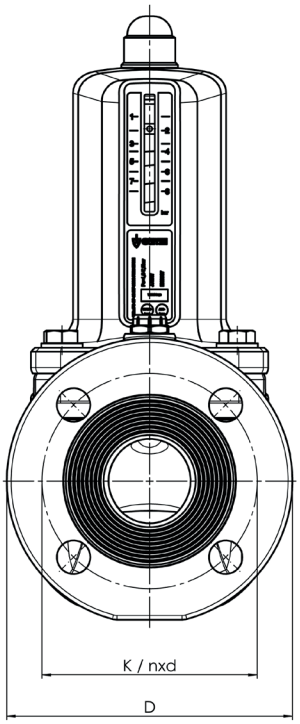
EPDM	Ethylene propylene diene	Elastomer moulded diaphragms and seals Approvals according to UBA elastomer guideline / KTW-BWGL

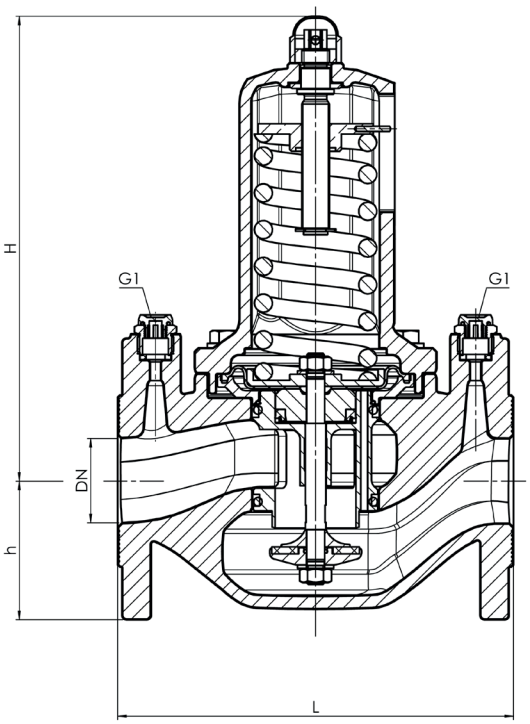
Series 382: Connection, installation dimensions, ranges of adjustment

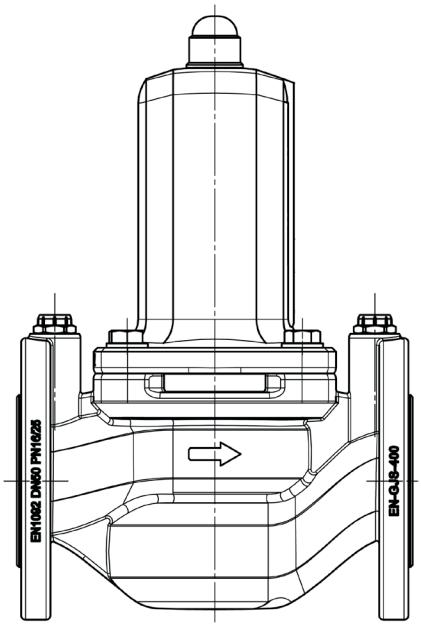
Nominal diameter	**DN**	50		65	
Pressure rating	**PN**	PN16	PN25	PN16	PN25
Inlet pressure	**bar**	16	25	16	25
Outlet pressure SP	**bar**	1,5 - 7	1,5 - 7	1,5 - 7	1,5 - 7
Outlet pressure HP	**bar**	3 - 12	3 - 12	3 - 12	3 - 12
Outlet pressure LP	**bar**	0,5 - 3	-	0,5 - 3	-
Installation dimensions in mm	**L**	230	230	290	290
	H	270	270	260	260
	h	83	83	93	93
	D	165	165	185	185
	K / nxd	125 / 4x19	125 / 4x19	145 / 4x19	145 / 8x19
Pressure gauge connection DIN ISO228-1	**G1**	1/4“	1/4“	1/4“	1/4“
Weight	**Kg**	18	18	19	19
Coefficient of flow Kvs	**m³/h**	24	24	26	26

in development
- DN80
  - PN16
  - PN25
- DN100
  - PN16
  - PN25
- DN125
  - PN16
  - PN25
- DN150
  - PN16
- DN200
  - PN16

■ MAIN DIMENSIONS, INSTALLATION DIMENSIONS







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Series 382 ■ INDIVIDUAL SELECTION / VALVE CONFIGURATION

Series	Valve version	Medium	Lifting device	Outlet pressure	Nominal diameter DN	Connection type		Connection size		PN	Options	Seal	Quantity
						Inlet	Outlet	Inlet	Outlet				
382	**m**	**F**	**0**	*HP*	*50*	**FL**	**FL**	*50*	*50*	*PN16*		*EPDM*	*5*
382		**F**	**0**			**FL**	**FL**						
382		**F**	**0**			**FL**	**FL**						

■ CERTIFICATES / APPROVALS

C01	Factory certificate acc. DIN EN 10204 2.2 (WKZ 2.2)	☐	**C05**	Sealing material Manufacturer certification (FDA, USP 3, 3-A,…), Please indicate description of certificate:	☐
C02	Test certificate acc. DIN EN 10204 3.1 (WPZ 3.1)	☐	**C06**	ATEX evaluation acc. to 2014/34/EU	☐
C03	Material test certificate acc. DIN EN 10204 3.1 (MPZ 3.1) (pressure retaining part)	☐			☐

■ ADMISSIONS / ACCREDITATIONS

AA4	EAC - certificate/declaration with passport for the valve and laser marking of the valve	☐			☐
AB1	Deutscher Verein des Gas- und Wasserfaches, DVGW type approval	☐			☐
AB2	Water regulations and advisory scheme WRAS type approval	☐			☐
AB3	Attestation de Conformité Sanitaire, ACS type approval	☐			☐

■ ENQUIRY

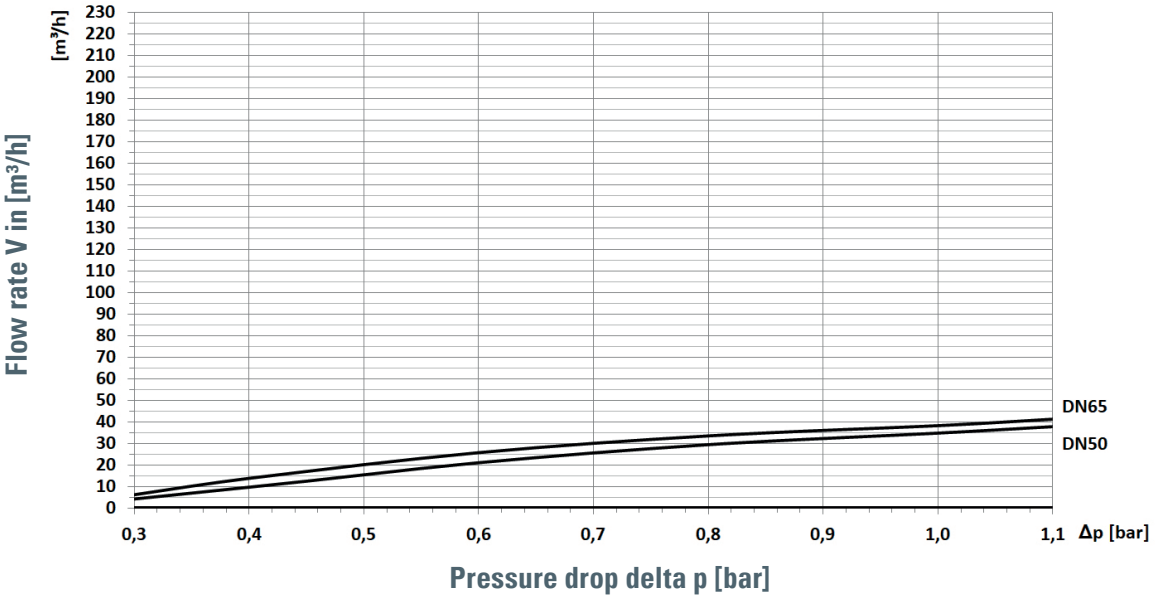
Copy and send to: order@goetze-armaturen.de.

Order form easily to be found online under the section for each series.

Series 382:

Dimensioning by pressure loss on the outlet pressure side

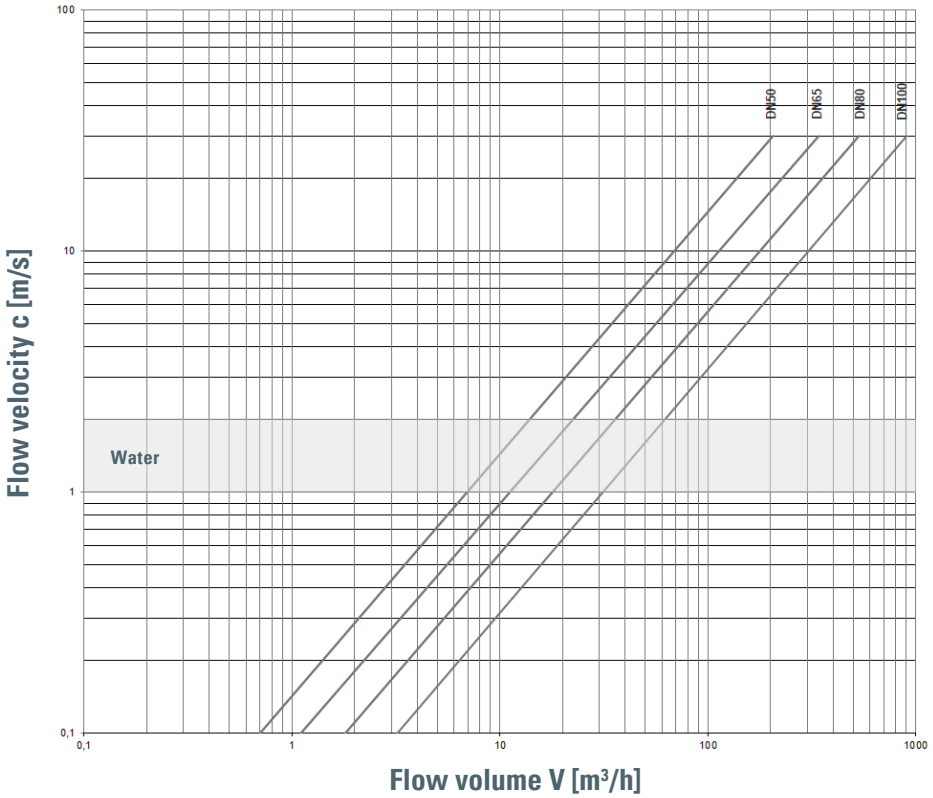
Flow chart water



Dimensioning by flow velocity

For liquids:
With help of the chart you can determine the nominal diameter (DN) for a given flow volume V (m³/h). According to DVGW-guidelines (DIN 1988) a flow velocity of 2 m/s in domestic water supply systems should not be exceeded.

Actual cubic meters are based on the prevailing pressure of the medium on the outlet side of the pressure reducer.



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