

DRV 832-D • DRV 838-D
Type A (DN 15 - DN 32)



DRV 832-D • DRV 838-D
Type B (DN 40 - DN 50)



Pressure reducing valve
Flange • Steam
Stainless steel

Pressure reducing valves of the series are piston-controlled, spring-loaded pressure reducing valves. These valves are inlet pressure relieved.

Media

The pressure reducers are particularly suitable for use with hot water and steam, but can also be used in the case of aggressive water and other aggressive liquids. They are also suitable for air and neutral gases when larger flow rates are required.

DGRL 2014/68/EU **CE**

Classification societies

- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811005



Features

- pressure relieved single seated valve
- piston-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 16 bar
- outlet pressure: 2 - 10 bar
- Flanges acc. to DIN EN 1092 PN 40
- optionally ANSI or JIS
- replaceable inner parts
- double-ended G 1/4" manometer fitting (for outlet pressure)
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet/outlet pressure): 0.3 bar

Pressures



max. 16 bar



2 - 10 bar

Connections



Flange connection
acc. to DIN EN 1092 PN 40
from DN 15 up to DN 50

Materials



Temperatures



Various options in the area of seals and wetted internal parts allow a maximum temperature of up to 200°C.



from -30 °C up to +200 °C

Seals and temperatures

PTFE/ EPDM - 30°C to +150°C
PTFE/ EPDM/ FEPM +20°C to +200°C

	body	spring bonnet	seals	wetted parts	max. temperature
 steam up to 150°C	stainless steel 1.4408	stainless steel 1.4408	PTFE/ EPDM	stainless steel 1.4404	150°C
 steam up to 200°C	stainless steel 1.4408	stainless steel 1.4408	PTFE/ EPDM/ FEPM	stainless steel 1.4404	200°C



Technical data

nominal size	15	20	25	32	40	50
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Type

A

B

Pressures

max. inlet pressure [bar]

max. 16 bar



DRV 832-D	16	16
DRV 838-D	16	16

outlet pressure [bar]

2 - 10 bar



DRV 832-D	2 - 5	2 - 5
DRV 838-D	4 - 10	4 - 10

Connections

dimensions [mm]

Flange connection
from DN 15 up to DN 50



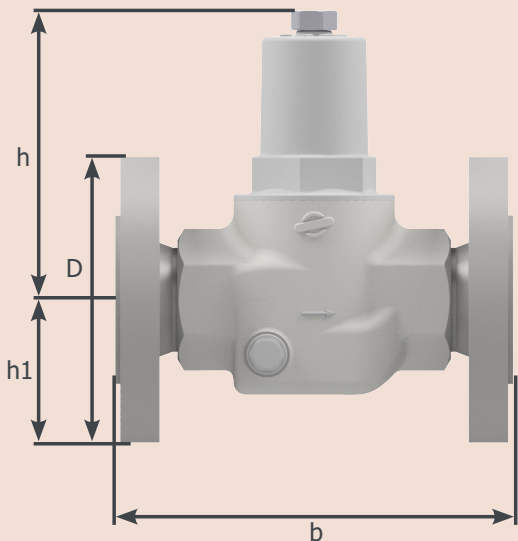
alle Typen	b	130	150	160	180	200	230
	D	95	105	115	140	150	165
	h1	48	53	58	70	75	83
	h	116	116	116	116	219	219

weight [kg]

DRV 832-D	2.9	3.6	4.8	6.2	9.7	11.5
DRV 838-D	2.9	3.6	4.9	6.2	9.8	11.6

kvs-value [m³/h]

alle Typen	3.6	4.1	5.3	5.6	13.3	14.0
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Articel number

nominal size	15	20	25	32	40	50
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steam up to 150°C

DRV 832-D	083202-000A0	083203-000A0	083204-000A0	083205-000A0	083206-000A0	083207-000A0
DRV 838-D	083802-000A0	083803-000A0	083804-000A0	083805-000A0	083806-000A0	083807-000A0

steam up to 200°C

DRV 832-D	083202-000B0	083203-000B0	083204-000B0	083205-000B0	083206-000B0	083207-000B0
DRV 838-D	083802-000B0	083803-000B0	083804-000B0	083805-000B0	083806-000B0	083807-000B0

Standard article numbers are 6 digits, article numbers for additional options are 11 digits. (See next page for an overview of options)

Manometer

diameter	connection	body	pressure range	max. temp.	art. no.
63 mm	G 1/4", central back	stainless steel	0 - 10 bar	200°C	009014



Options

CC - Connection			E - elastomers		
00 -	DIN EN 1092 PN 40	standard	A -	PTFE/ EPDM	steam up to 150°C
61 -	ANSI B16.5 RF	class 150 lbs	B -	PTFE/ EPDM/ FEPM	steam up to 200°C
M - materials wetted parts			F - finishes		
0 -	stainless steel 1.4404	standard	0 -	without additional finishes	

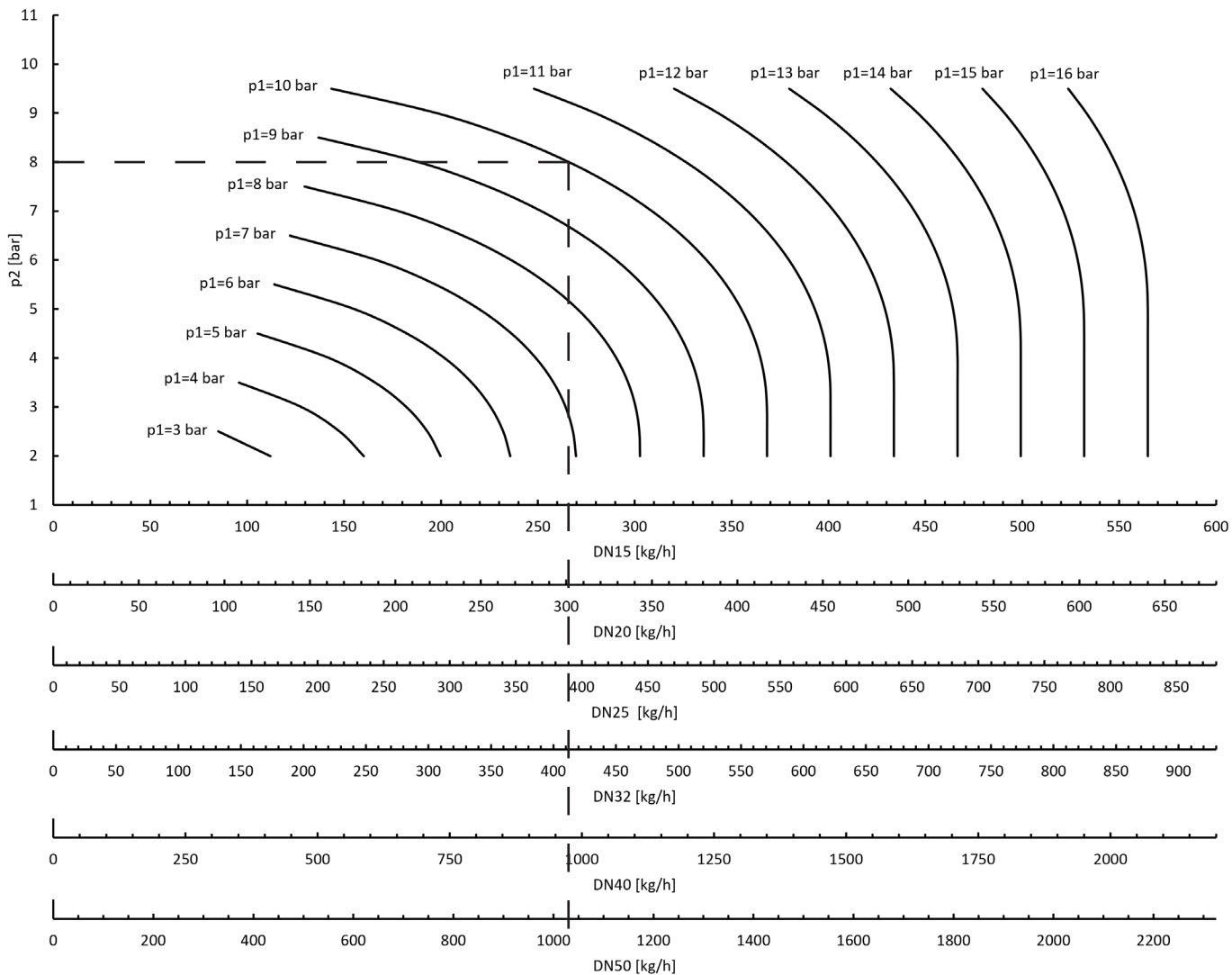
Configuration example of an article number with additional options

inlet pressure: 6 bar outlet pressure: 4 bar connection: DN 50 ANSI B16.5 RF
 seals: PTFE/EPDM/FEPM temperature: 160 °C without additional finishes

art. no. standard version						-	A	A	I	E	B
0	8	3	8	0	7	-	6	1	0	B	0



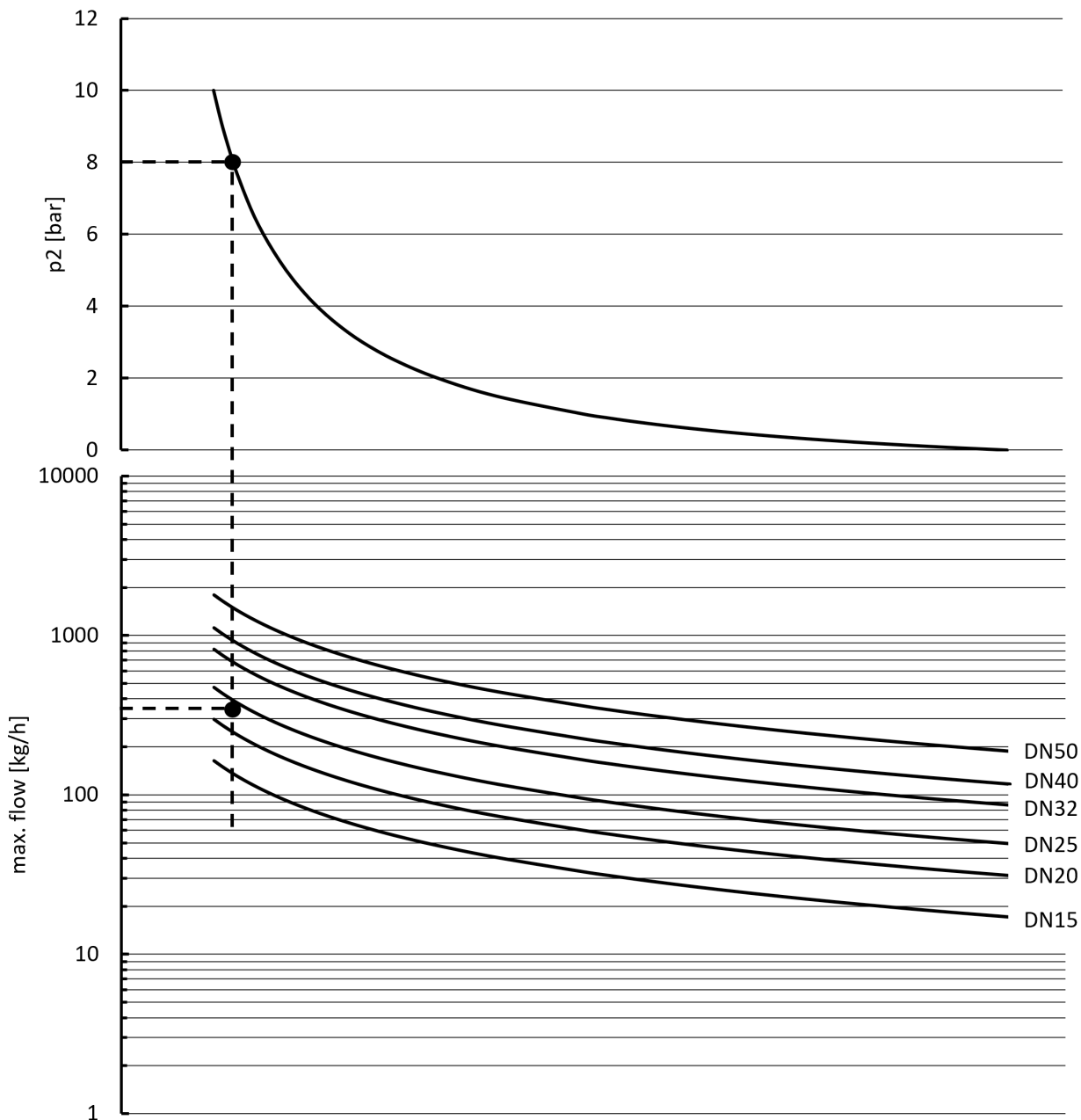
Valve sizing diagrams - valve capacity.....



Example: Selection of a valve for an upstream pressure (p_1) of 10 and a downstream pressure (p_2) of 8 bar. The application requires a saturated steam mass flow of 350 kg/h. Sizing according to valve utilisation: Entering the criteria shows that a DN25 valve would be sufficient (required capacity is left from the dashed line).



Valve sizing diagrams - maximum flow velocity



Example: Selection of a valve for an upstream pressure (p_1) of 10 and a downstream pressure (p_2) of 8 bar. The application requires a saturated steam mass flow of 350 kg/h. Sizing according to maximum flow rate: Entering the criteria shows that a DN25 valve would be sufficient (curve above the required capacity).