



DRV 732-D • DRV 738-D
Type A (DN 15 - DN 32)



DRV 732-D • DRV 738-D
Type B (DN 40 - DN 50)



Pressure reducing valve Female thread • 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



Classification societies

- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811019



Features

- pressure relieved single seated valve
- piston-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 16 bar
- outlet pressure: 2 - 10 bar
- female thread acc. ISO 228, optionally with NPT-thread
- 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



Female thread
acc. ISO 228
from G 1/2" up to G 2"

Materials



steam up to 150 °C

stainless
steel
1.4408

spring bonnet

stainless steel 1.4408

seals

PTFE/ EPDM

wetted inner parts

stainless steel 1.4404

max.
temperature

150 °C



steam up to 200 °C

stainless
steel
1.4408

stainless steel 1.4408

PTFE/ EPDM/
FEPM

stainless steel 1.4404

200 °C



Temperatures

Various options in the area of seals and wetted inner 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



Technical data

nominal size	15	20	25	32	40	50
G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

Type

Pressures

max. 16 bar



max. inlet pressure [bar]

DRV 732-D

16

16

DRV 738-D

16

16

outlet pressure [bar]

2 - 10 bar



DRV 732-D

2 - 5

2 - 5

DRV 738-D

4 - 10

4 - 10

Connections

female thread
from G 1/2" up to G 2"



dimensions [mm]

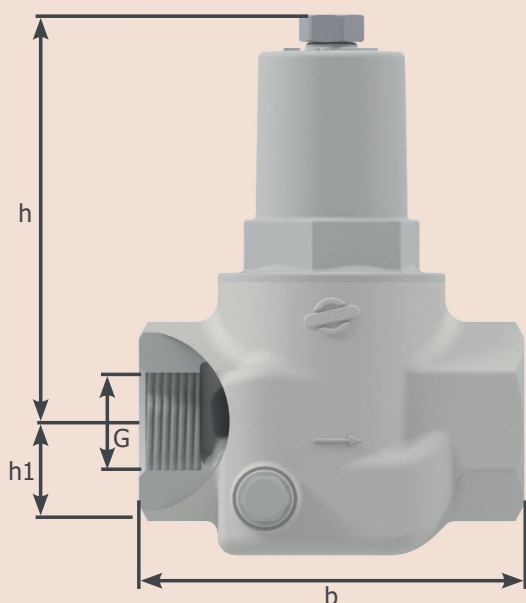
all types	G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	b	95	95	110	120	150	160
	h1	29	29	38	38	38	38
	h	117	117	117	117	217	217

weight [kg]

DRV 732	1.5	1.4	2.2	2.1	5.5	5.4
DRV 738	1.5	1.4	2.2	2.1	5.5	5.4

kvs-value [m³/h]

all types	3.6	4.1	5.3	5.6	13.3	14.0
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Article number

nominal size	15	20	25	32	40	50
G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

steam up to 150 °C

DRV 732-D	073202-000A0	073203-000A0	073204-000A0	073205-000A0	073206-000A0	073207-000A0
DRV 738-D	073802-000A0	073803-000A0	073804-000A0	073805-000A0	073806-000A0	073807-000A0

steam up to 200 °C

DRV 732-D	073202-000B0	073203-000B0	073204-000B0	073205-000B0	073206-000B0	073207-000B0
DRV 738-D	073802-000B0	073803-000B0	073804-000B0	073805-000B0	073806-000B0	073807-000B0

Article numbers for are 11 digits. (See option overview and configuration example)

Options

CC - connection

- 00 - ISO 228
- 30 - NPT - ASME B1.20.1

E - elastomers

- A - PTFE/ EPDM steam up to 150 °C
- B - PTFE/ EPDM/ FEPM steam up to 200 °C

M - materials wetted parts

- 0 - stainless steel 1.4404

F - finishes

- 0 - without additional finishes

Configuration example of an article number with additional options

inlet pressure: 6 bar
seals: PTFE/EPDM/FEPM

outlet pressure: 4 bar
temperature: 160 °C

connection: 2" NPT
without additional finishes

art. no. standard version											
0	7	3	2	0	7	-	C	C	M	E	F
0	7	3	2	0	7	-	3	0	0	B	0

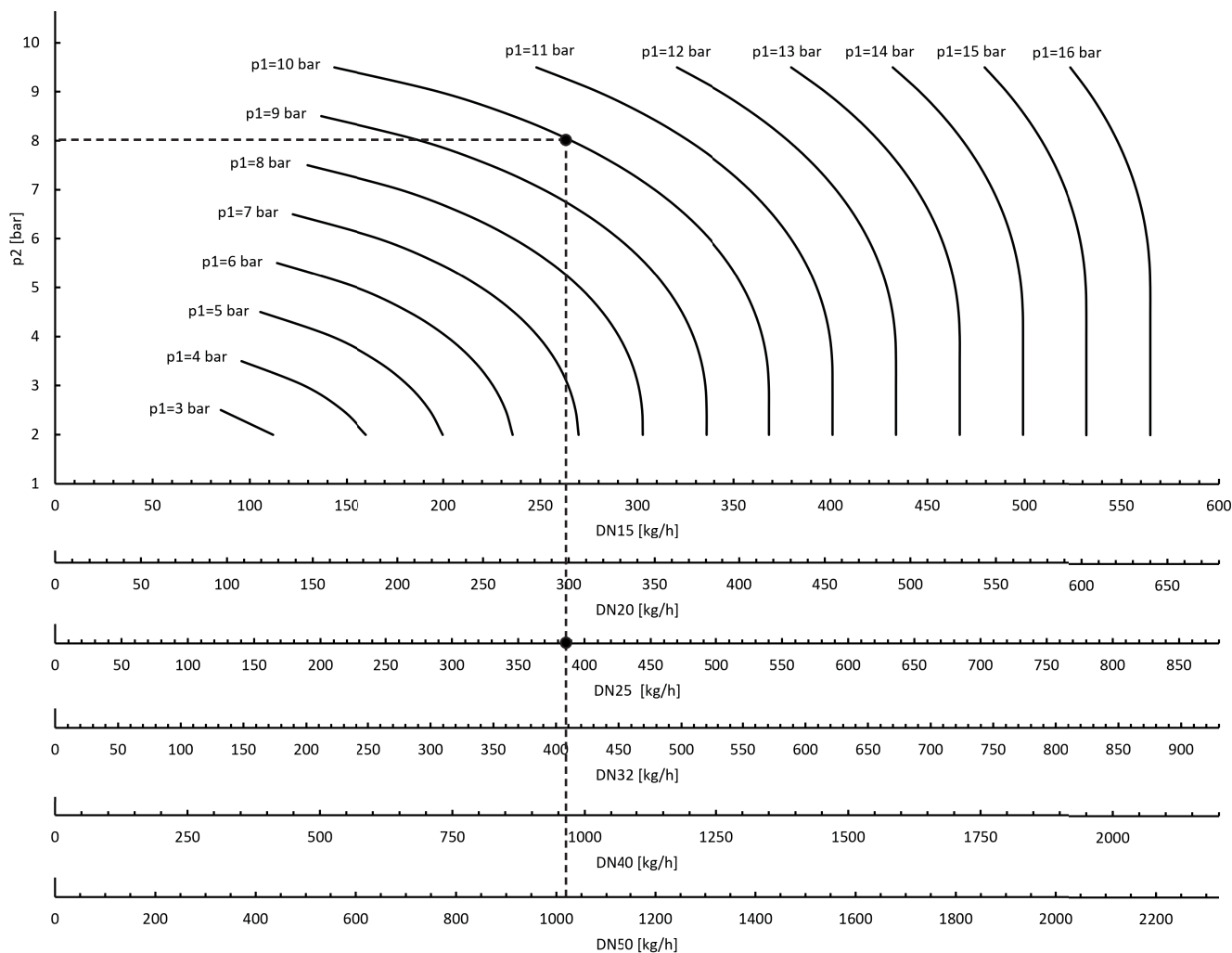
Manometer

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

*article numbers are 11 digits, see option overview and configuration example



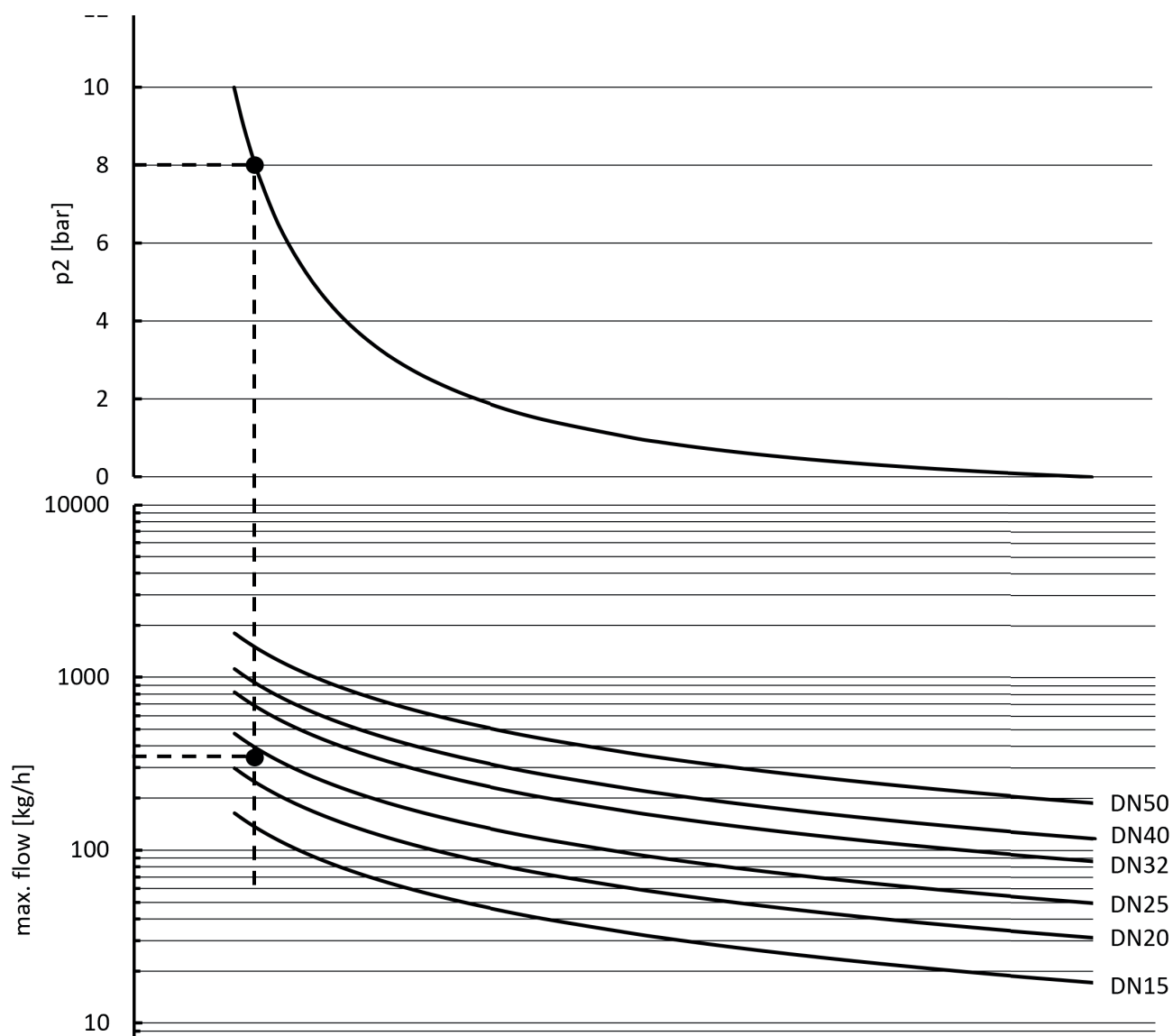
Sizing Step 1: Valve capacity



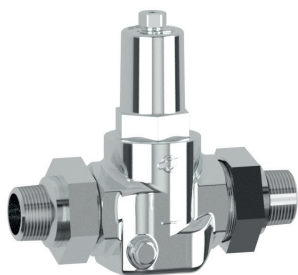
Example: Selection of a valve for an inlet pressure (p_1) of 10 and an outlet pressure (p_2) of 8 bar based on the valve capacity. The application requires a saturated steam mass flow of 350 kg/h. Dimensioning according to the maximum flow rate: Entering the criteria shows that a DN25 valve would be sufficient (the required capacity to the left of the dashed line).



Sizing Step 2: Max. Flow rate.....



Example: Selection of a valve for an inlet pressure (p_1) of 10 and an outlet pressure (p_2) of 8 bar based on the max. recommended media velocity of 40 m/s. The application requires a saturated steam mass flow of 350 kg/h. Dimensioning according to the maximum media velocity: Entering the criteria shows that a DN25 valve would be sufficient (curve above the required capacity).



DRV 732-D-R • DRV 738-D-R
Type A (DN 15 - DN 32)



DRV 732-D-R • DRV 738-D-R
Type B (DN 40 - DN 50)



Pressure reducing valve Male thread • 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.

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Customs tariff number

84811019



Features

- pressure relieved single seated valve
- piston-controlled
- continuously adjustable outlet pressure
- max. inlet pressure up to 16 bar
- outlet pressure: 2 - 10 bar
- male thread acc. ISO 7
- 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



Male thread
acc. ISO 7
from R 1/2" up to R 2"

Materials



Temperatures

Various options in the area of seals and wetted inner 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



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
R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

Type

A

B

Pressures

max. inlet pressure [bar]

max. 16 bar



DRV 732-D-R

16

16

DRV 738-D-R

16

16

outlet pressure [bar]

2 - 10 bar



DRV 732-D-R

2 - 5

2 - 5

DRV 738-D-R

4 - 10

4 - 10

Connections

male thread
from R 1/2" up to R 2"



dimensions [mm]

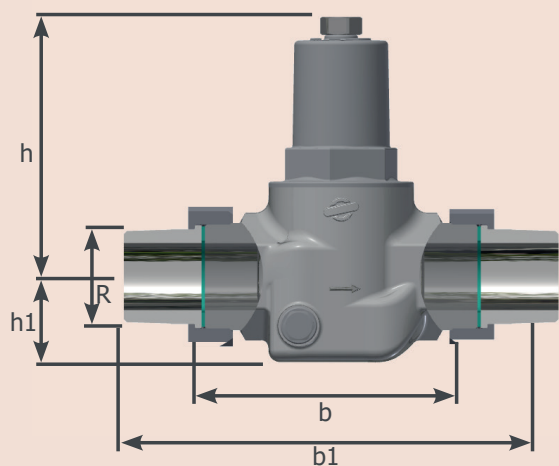
	R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	b	105	105	122	122	160	160
all types	b1	168	168	195	195	250	250
	h1	29	29	38	38	38	38
	h	117	117	117	117	217	217

weight [kg]

DRV 732-R	1.7	1.7	2.9	2.9	6,7	6,7
DRV 738-R	1.7	1,7	2.9	2.9	6,7	6,7

kvs-value [m³/h]

all types	3.6	4.1	5.3	5.6	13.3	14.0
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Article number

nominal size	15	20	25	32	40	50
R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

steam up to 150 °C

DRV 732-D-R	073202-R00A0	073203-R00A0	073204-R00A0	073205-R00A0	073206-R00A0	073207-R00A0
DRV 738-D-R	073802-R00A0	073803-R00A0	073804-R00A0	073805-R00A0	073806-R00A0	073807-R00A0

steam up to 200 °C

DRV 732-D-R	073202-R00B0	073203-R00B0	073204-R00B0	073205-R00B0	073206-R00B0	073207-R00B0
DRV 738-D-R	073802-R00B0	073803-R00B0	073804-R00B0	073805-R00B0	073806-R00B0	073807-R00B0

Article numbers for are 11 digits. (See option overview and configuration example)

Options

CC - connection

R0 - ISO 7

E - elastomers

A -	PTFE/ EPDM	steam up to 150 °C
B -	PTFE/ EPDM/ FEPM	steam up to 200 °C

M - materials of wetted inner parts

0 - stainless steel 1.4404

F - finishes

0 - without additional finishes

Configuration example of an article number with additional options

inlet pressure: 6 bar
seals: PTFE/EPDM/FEPM

outlet pressure: 4 bar
temperature: 160 °C

connection: 2" ISO 7
without additional finishes

art. no. standard version											
							C	C	M	E	F
0	7	3	2	0	7	-	R	0	0	B	0

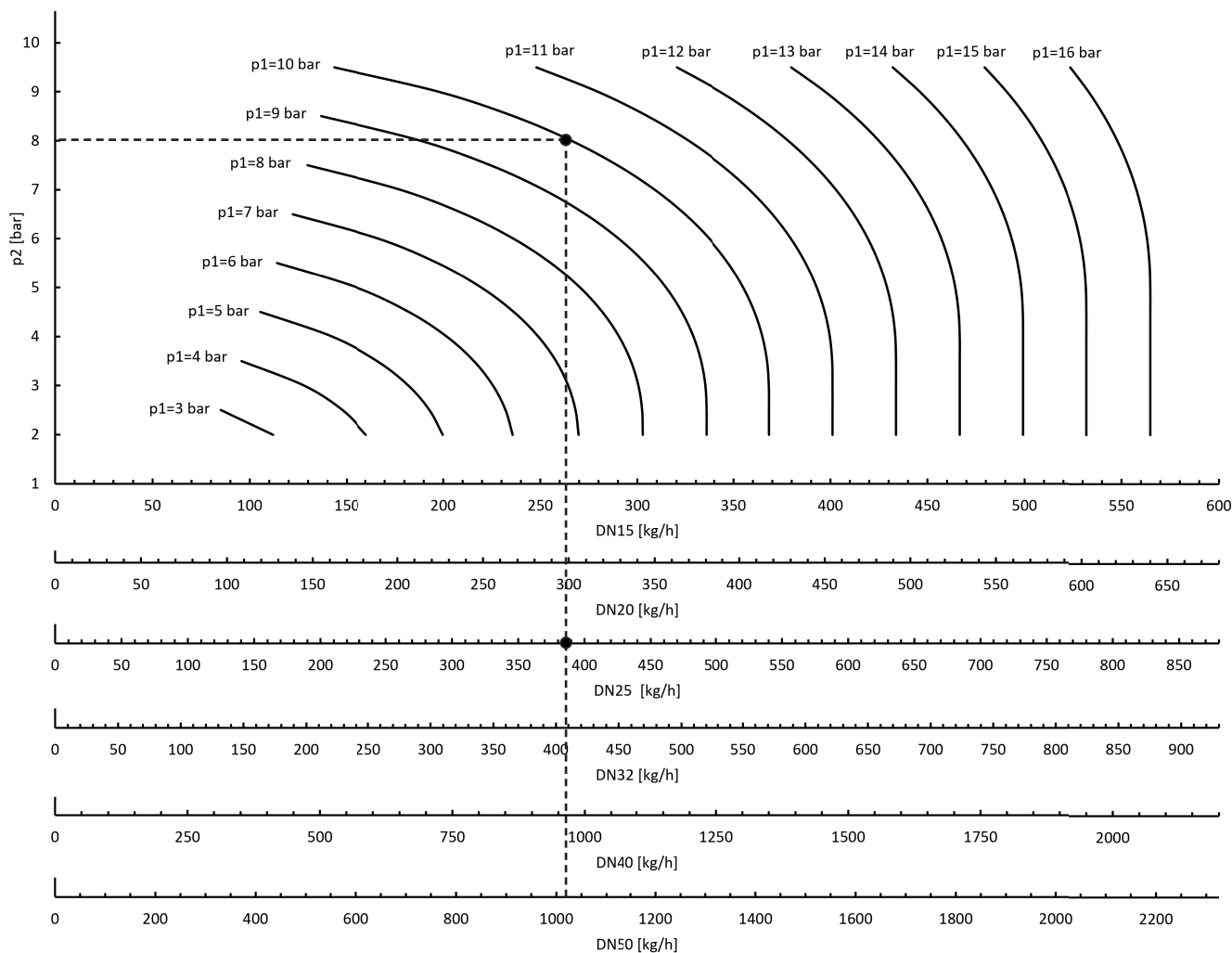
Manometer

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

*article numbers are 11 digits, see option overview and configuration example



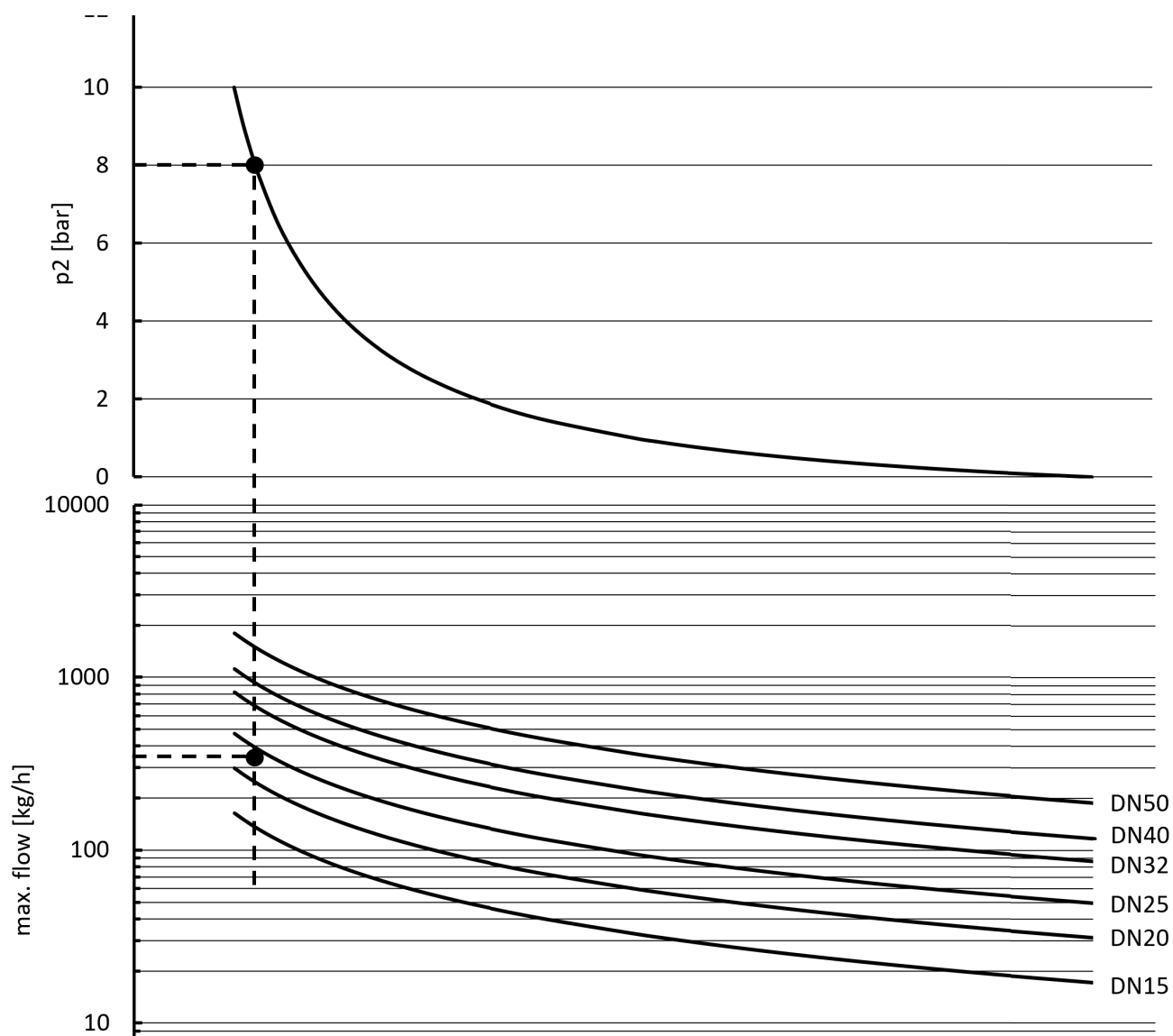
Sizing Step 1: Valve capacity



Example: Selection of a valve for an inlet pressure (p_1) of 10 and an outlet pressure (p_2) of 8 bar based on the valve capacity. The application requires a saturated steam mass flow of 350 kg/h. Dimensioning according to the maximum flow rate: Entering the criteria shows that a DN25 valve would be sufficient (the required capacity to the left of the dashed line).



Sizing Step 2: Max. Flow rate.....



Example: Selection of a valve for an inlet pressure (p_1) of 10 and an outlet pressure (p_2) of 8 bar based on the max. recommended media velocity of 40 m/s. The application requires a saturated steam mass flow of 350 kg/h. Dimensioning according to the maximum media velocity: Entering the criteria shows that a DN25 valve would be sufficient (curve above the required capacity).