



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



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



#### 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

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

A

B

#### Pressures

max. inlet pressure [bar]

max. 16 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

dimensions [mm]

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

G

1/2"

3/4"

1"

1 1/4"

1 1/2"

2"

all types

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

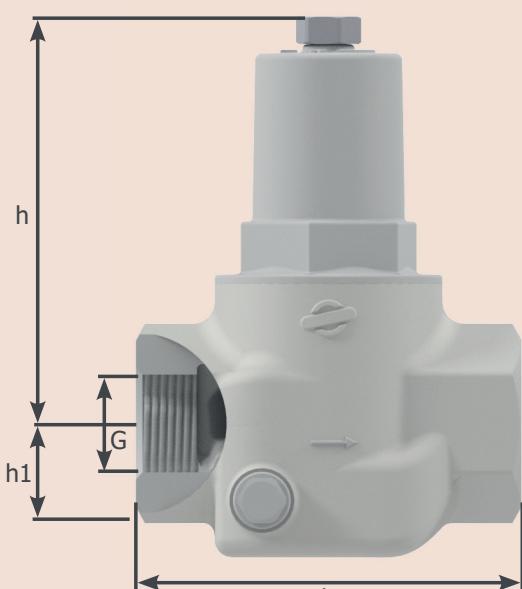
4.1

5.3

5.6

13.3

14.0





## 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/ FEP	steam up to 200 °C

### M - materials wetted parts

0 - stainless steel 1.4404
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### F - finishes

0 - without additional finishes
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## Configuration example of an article number with additional options

inlet pressure: 6 bar

seals: PTFE/EPDM/FEP

outlet pressure: 4 bar

temperature: 160 °C

connection: 2" NPT

without additional finishes

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

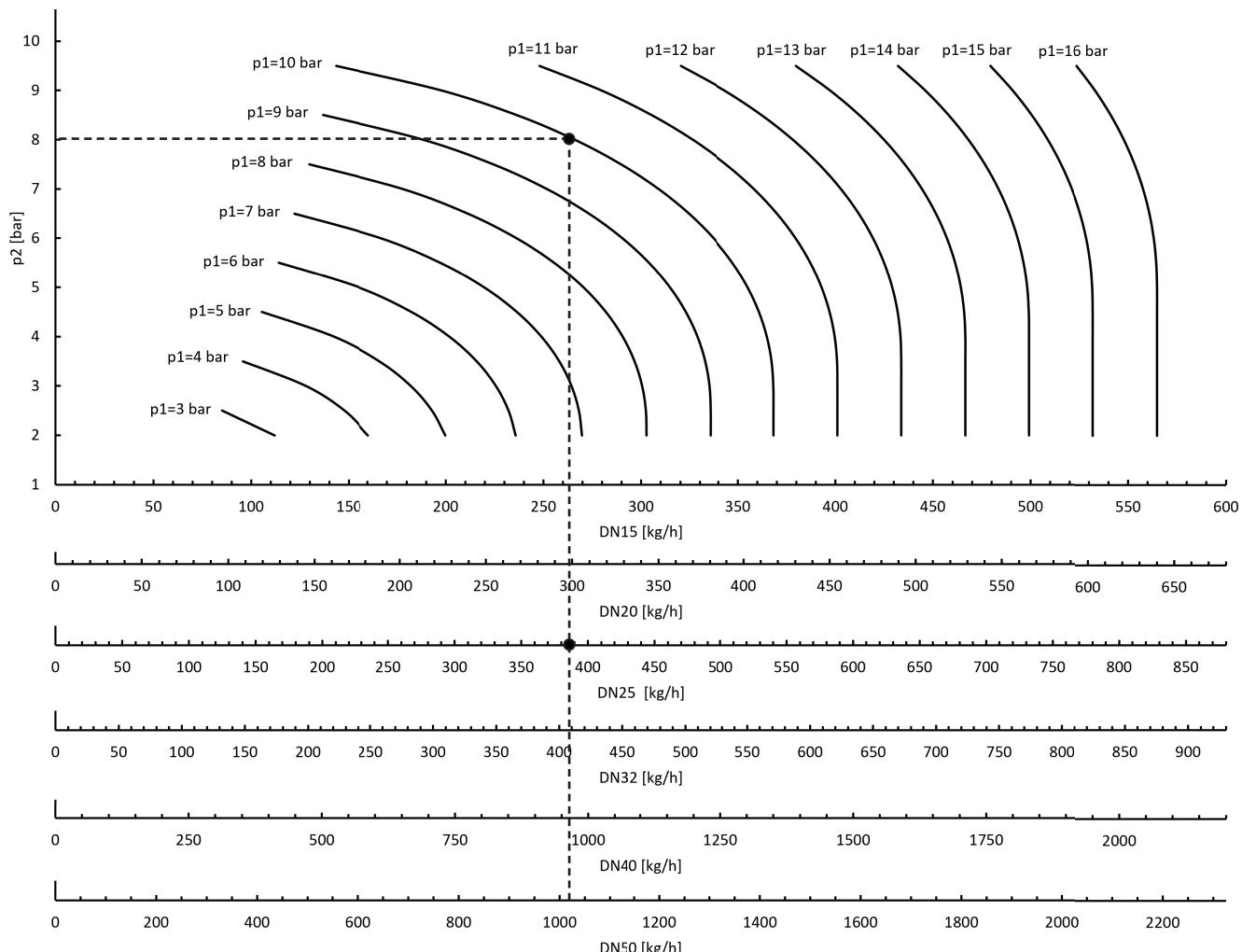
## Manometer

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



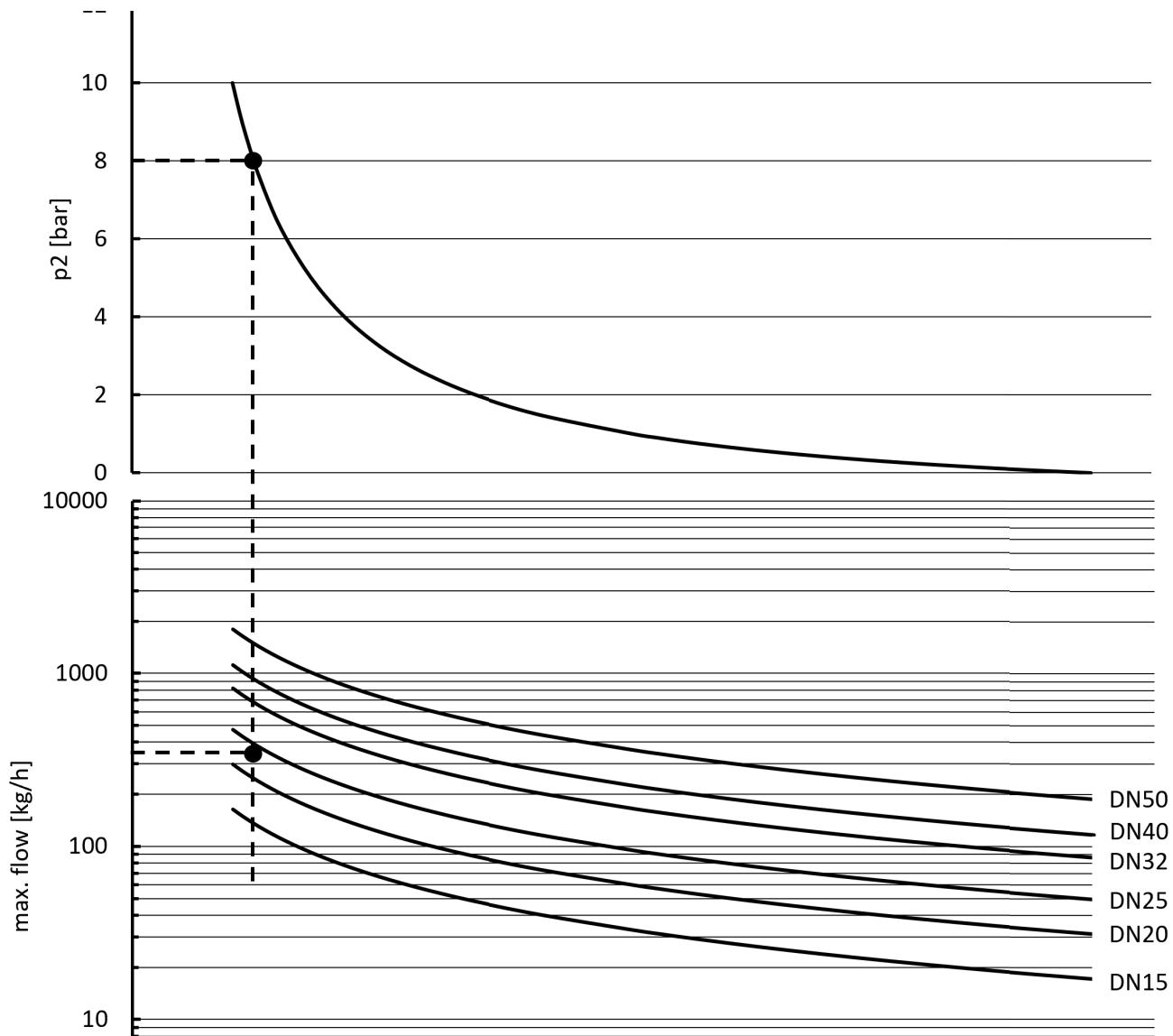
## Sizing Step 1: Valve capacity



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)



#### 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.

### 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.

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
- 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

	body	spring bonnet	seals	wetted inner parts	max. temperature
	steam up to 150 °C	stainless steel 1.4408	PTFE/ EPDM	stainless steel 1.4404	150 °C
	steam up to 200 °C	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. 16 bar



#### max. inlet pressure [bar]

DRV 732-D-R

16

DRV 738-D-R

16

2 - 10 bar



DRV 732-D-R

2 - 5

DRV 738-D-R

2 - 5

4 - 10

4 - 10

#### Connections

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

#### dimensions [mm]

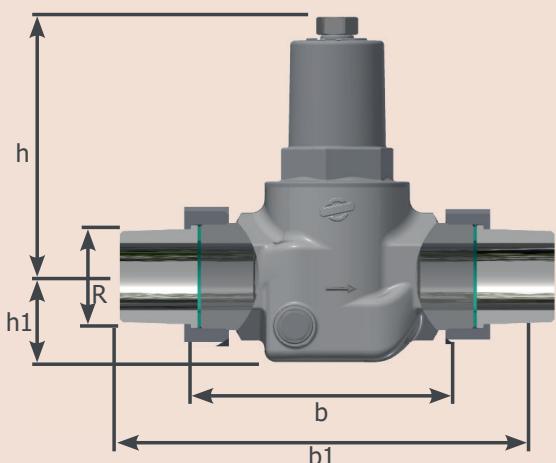
	R	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
all types	b	105	105	122	122	160	160
	b1	168	168	195	195	250	250
	h1	29	29	38	38	38	38
	h	117	117	117	117	217	217

#### 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 [ $m^3/h$ ]

all types	3.6	4.1	5.3	5.6	13.3	14.0
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## Article number

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steam up to 150 °C

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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

M - materials of wetted inner parts

0 - stainless steel 1.4404

E - elastomers

A - PTFE/ EPDM

B - PTFE/ EPDM/ FEPM

steam up to 150 °C

steam up to 200 °C

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

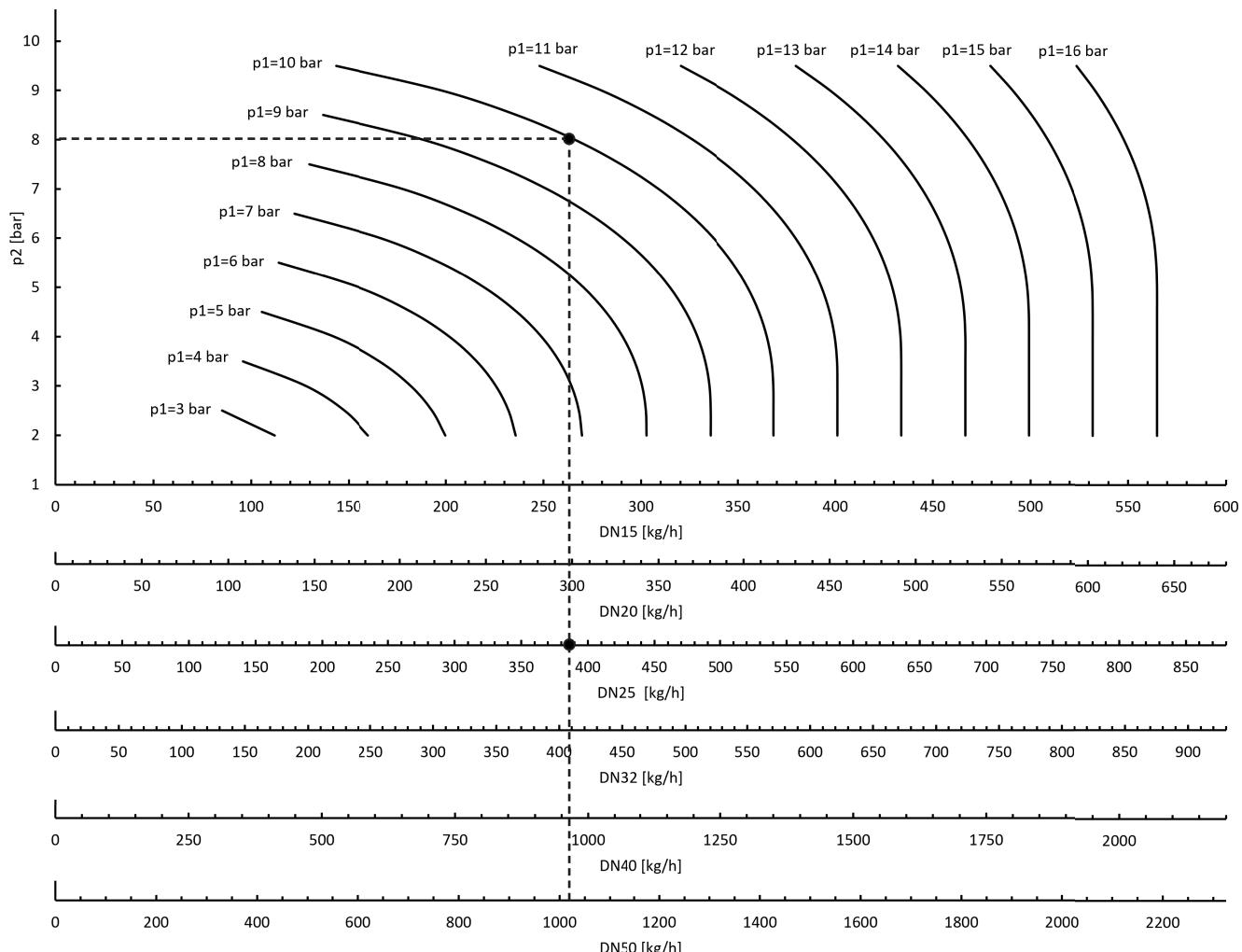
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\*article numbers are 11 digits, see option overview and configuration example



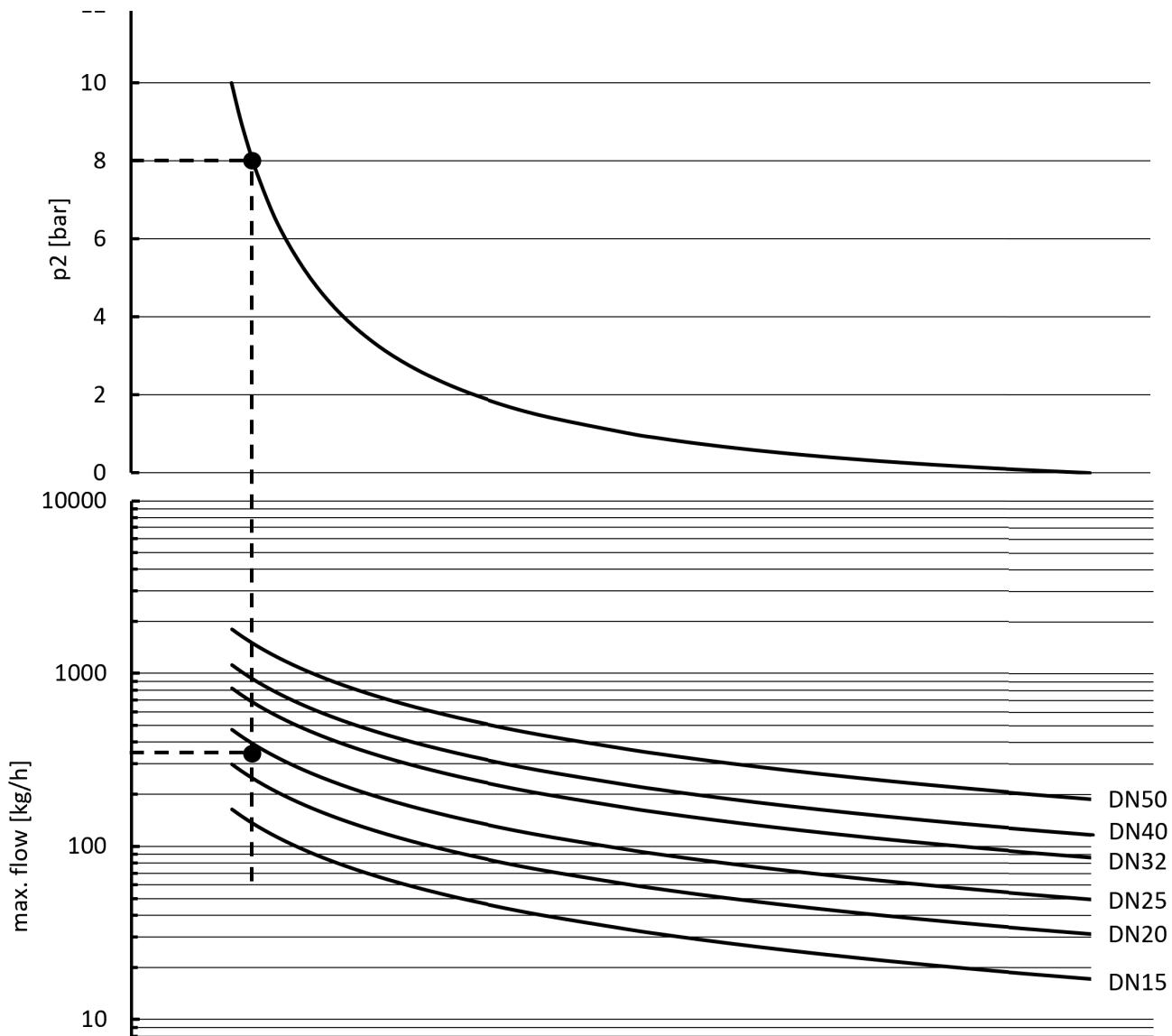
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## Sizing Step 2: Max. Flow rate



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).