

Needle valve for steam type NV03



description:

A needle valve is useful if media has to be regulated exactly or the flow rate has to be metered accurately.

features:

- suitable for **steam**
- external stem thread
- with handwheel

connection:

1/8", 1/4", 3/8", 1/2", 3/4", 1"

construction:

with handwheel

pressure:

0 – 400 bar – depending on design

Design:

Body:

Upper part:

Spindle:

Seal:

Handwheel:

temperature:

pressure:

Close-coupled design with female thread

Stainless steel 1.4571 / AISI 316 Ti

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Graphite

Steel plate

-20°C up to max. +250°C

0 – 400 bar (depending on design)

A	DN	PN	L1	L2	L3	F	S1	Kv-value
		bar	mm	mm	mm	mm	mm	[m ³ /h]
G 1/8"	4	400	45	90	11	63	25	0,38
G 1/4"	5	400	55	90	15	63	25	0,42
G 3/8"	6	400	55	90	15	63	25	0,53
G 3/4"	9	200	75	115	19	63	35	1,43
G 1/2"	7	400	60	90	17	63	30	0,66
G 1"	12	200	100	134	19	90	45	2,2

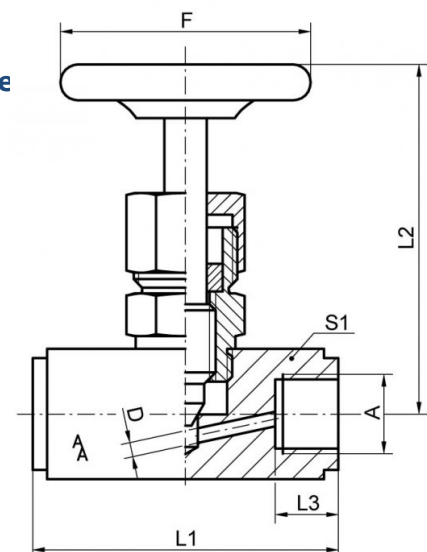
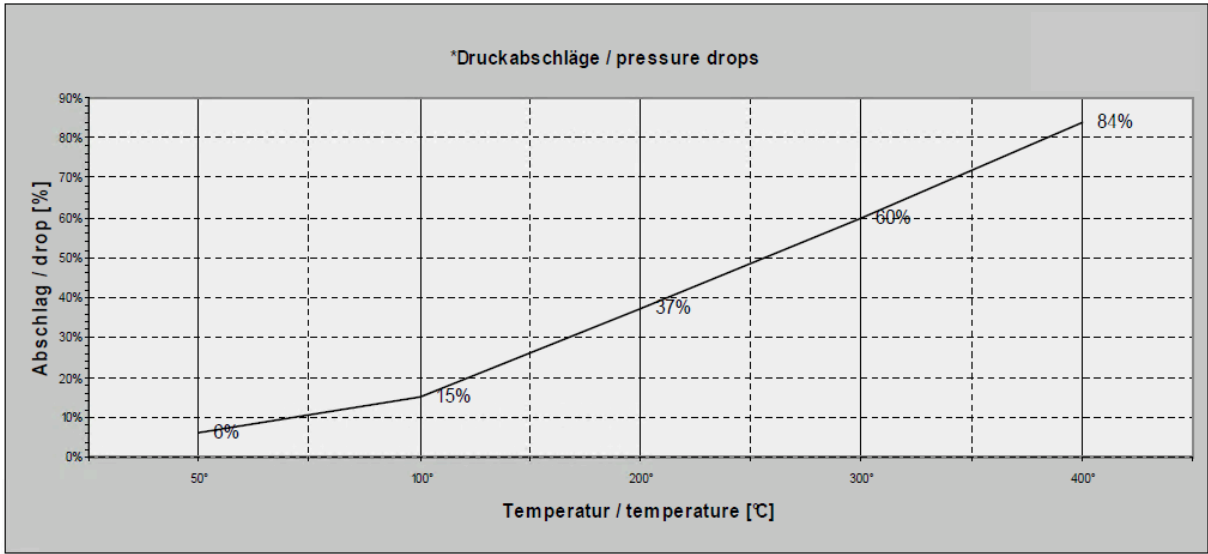


Image similar

Pressure reduction at high temperature:

Temperature	50°C	100°C	200°C	300°C	400°C
Pressure reduction	6%	15%	37%	60%	84%



Article number:

type	material	actuation	size
NV03	00 – stainless steel	00 – handwheel	00 – 1/8" 01 – 1/4" 02 – 3/8" 03 – 1/2" 04 – 3/4" 05 – 1"

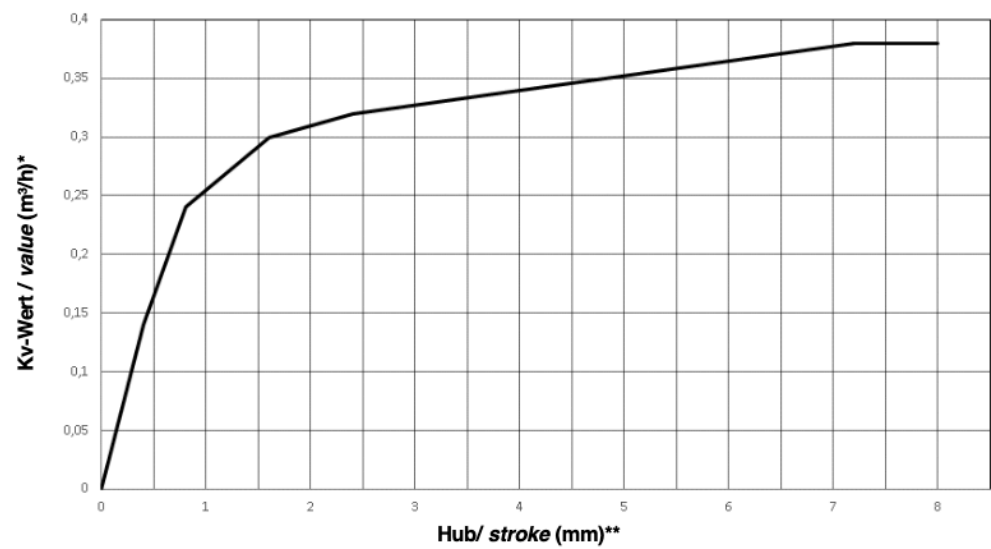
example no.NV03000005:

NV03	00	00	05
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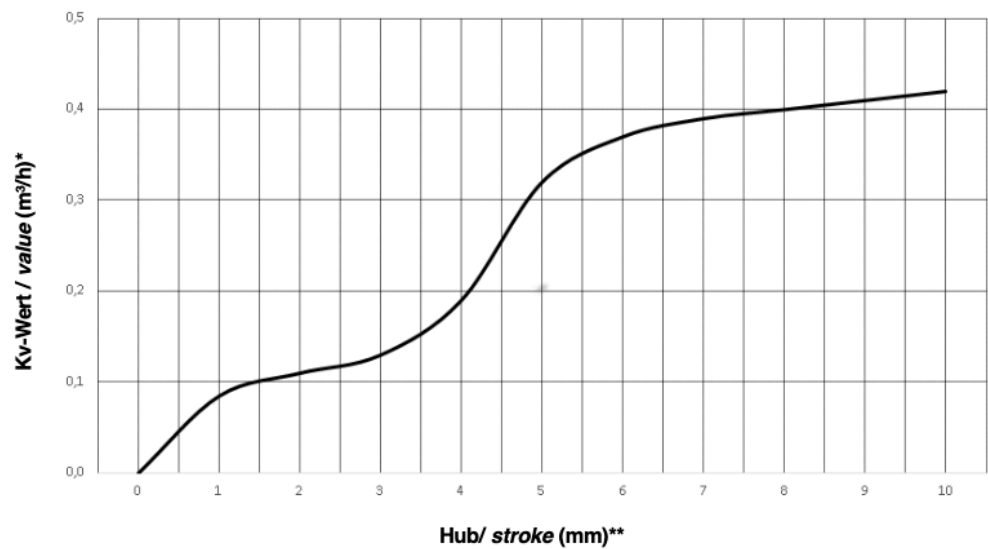
article no. NV03000005
needle valve
material: stainless steel
actuation: with handwheel
size: 1"

Image similar, subject change without notice

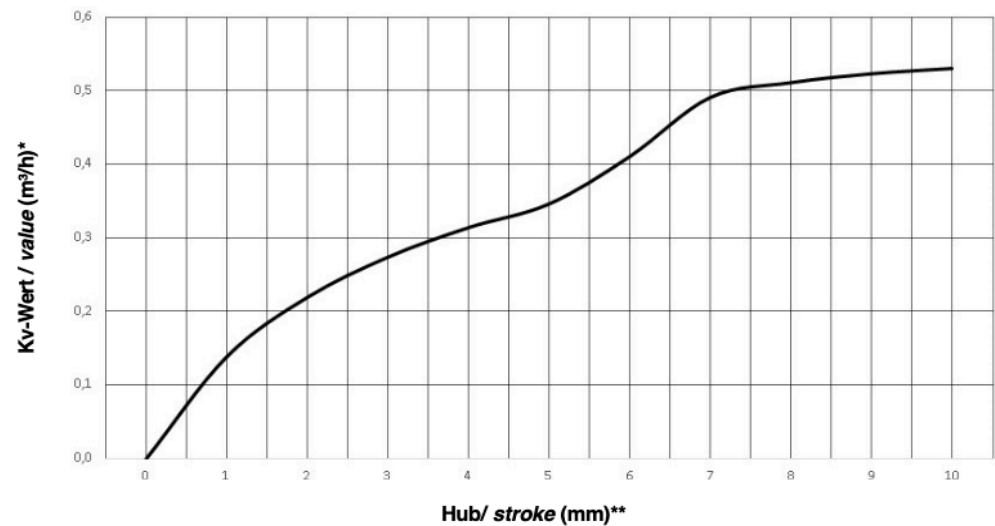
Flow diagram for 1/8" inch:



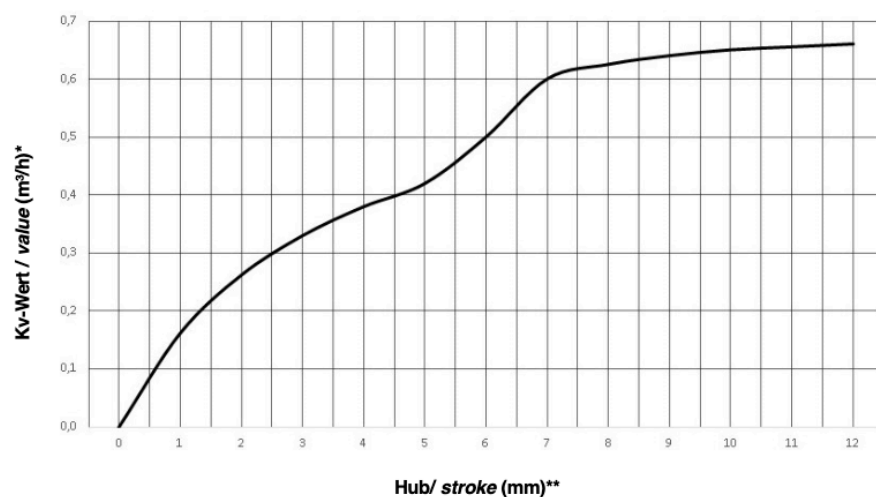
Flow diagram for 1/4" inch:



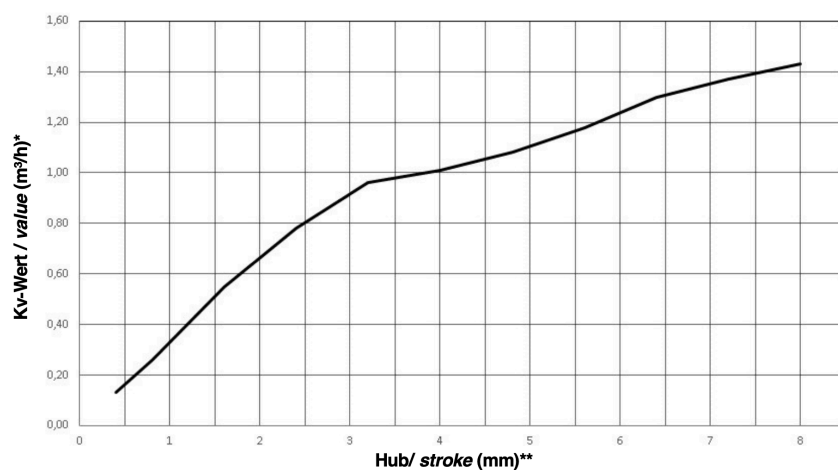
Flow diagram for 3/8" inch:



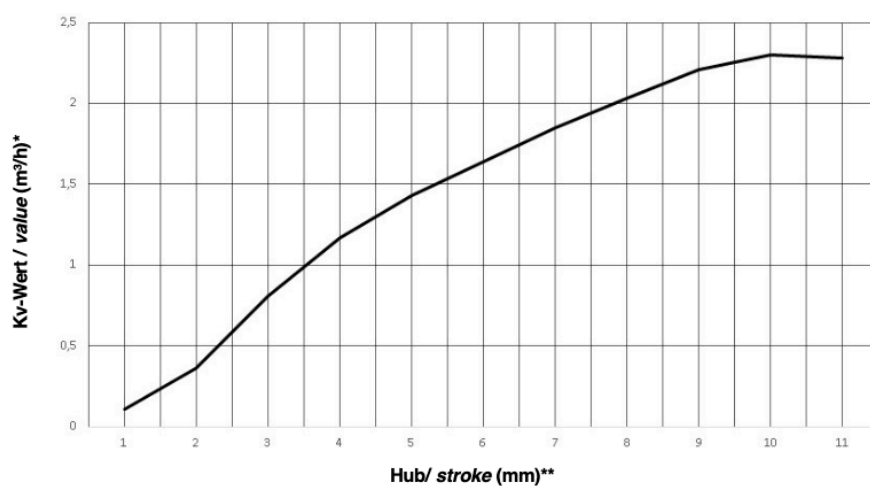
Flow diagram for 1/2" inch:



Flow diagram for 3/4" inch:



Flow diagram for 1" inch:



* Kv-values determined with the medium water at room temperature and a pressure difference of 1 bar

** Pitch of the spindle thread 1mm / revolution