

FACTS | FIGURES | DATA

Throttle socket V251

V251

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FRANK

Throttle socket V251

DN 10 to DN 50

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V251 PVDF



V251 PP



V251 PVC

USE

Throttle sockets are used where the flow of liquids or gases needs to be slowed in pipelines. A compact design, simple and robust attachment and a good control characteristic guarantee a high level of operational reliability.

FUNCTION

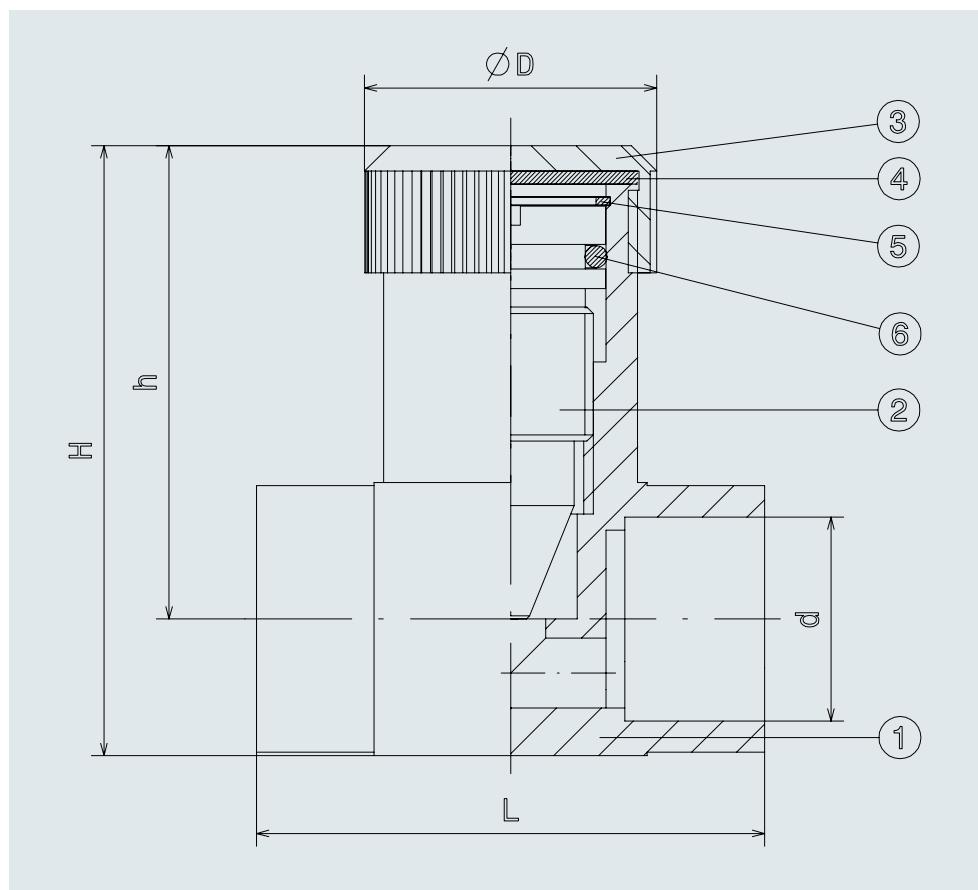
A spindle with a taper narrows the cross section of the hole in the housing and thereby reduces the volumetric flow to the desired value. The adjustment must be made with a tool (screwdriver or flat material), and thus has the advantage that the set value is largely protected against accidental change.

SPECIAL FEATURES

- Good chemical resistance thanks to highly-resistant plastics (PVC, PP, PVDF)
- Largely maintenance-free and can be installed in any position
- High degree of operational reliability thanks to a compact and robust design
- Good control characteristic from 0 to max. quantity

INDIVIDUAL PARTS

Pos.	Designation
1	Housing
2	Spindle
3	Cap
4	Seal
5	Stop ring
6	O-ring



MATERIALS

Housing	Premissible operating temperature	Seal
PVC	0 to +60 °C	EPDM/FPM
PP	-20 to +80 °C	EPDM/FPM
PVDF	-20 to +120 °C	FPM

DIMENSIONS IN MM (GUIDELINE VALUES)

d	DN	L	H	h	Ø D
16	10	47	57	45	29
20	15	55	66	51	35
25	20	66	80	62.5	40
32	25	80	96	74.5	47
40	32	100	111	86	56
50	40	120	133	101	70
63	50	146	158	118	88

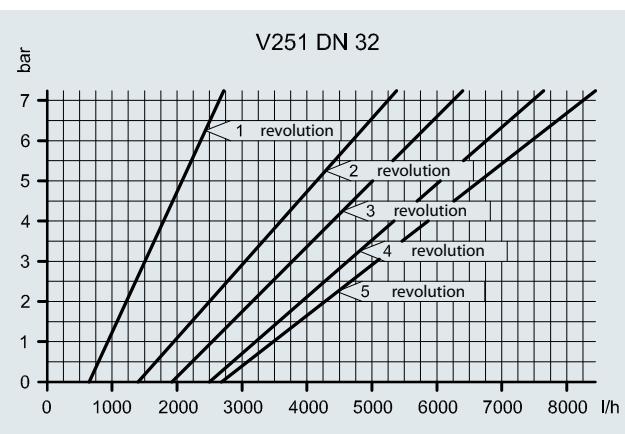
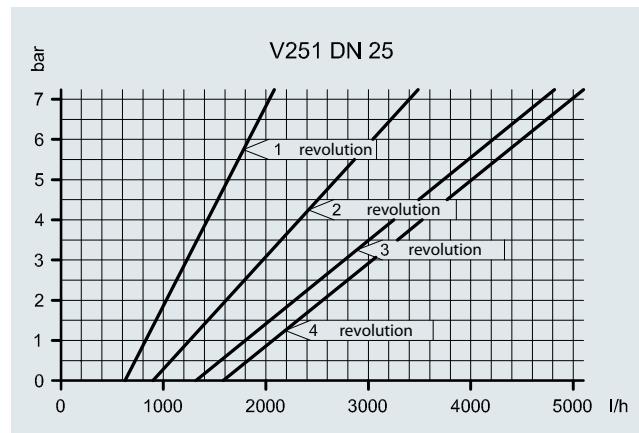
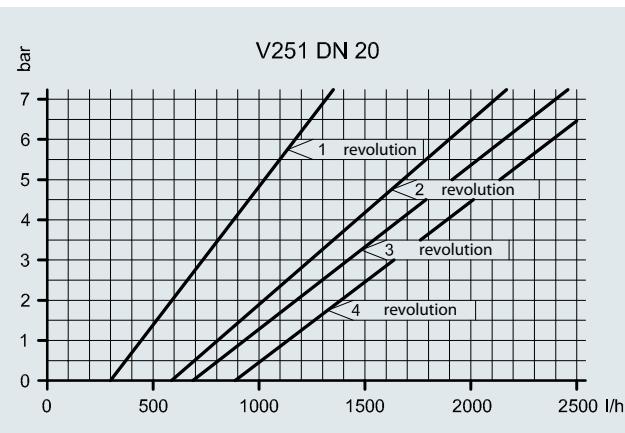
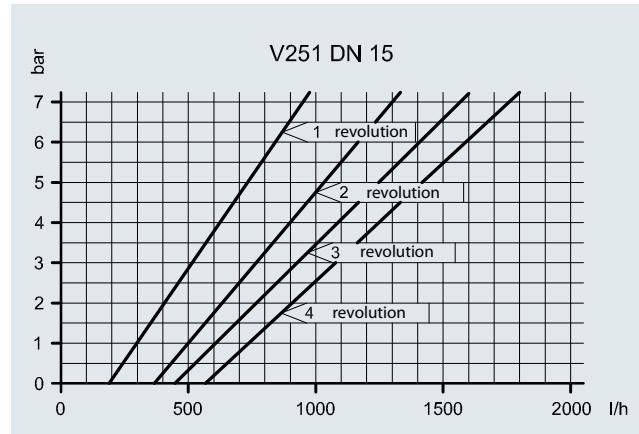
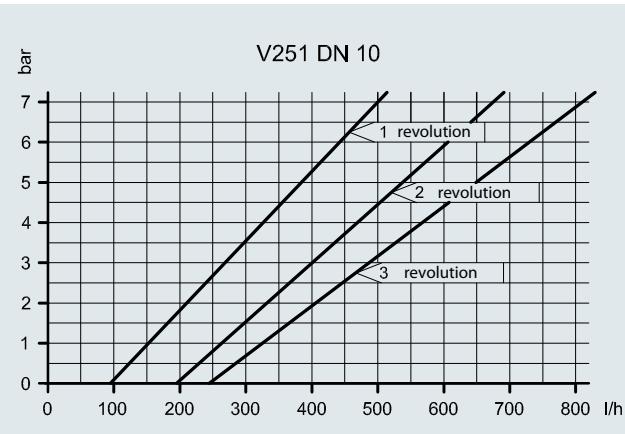
Operating pressure: PN 10 at 20 °C

ARTICLE NUMBERS

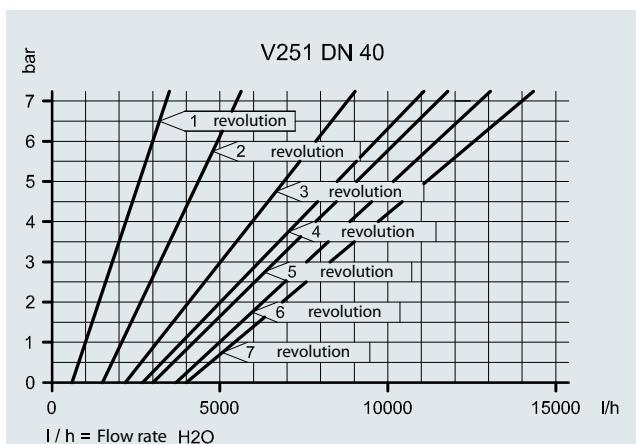
d	DN	PVC		PP		PVDF
		EPDM	FPM	EPDM	FPM	FPM
16	10	17.001.305	17.001.070	17.001.312	17.001.071	17.001.072
20	15	17.001.306	17.001.091	17.001.313	17.001.092	17.001.093
25	20	17.001.307	17.001.082	17.001.314	17.001.079	17.001.080
32	25	17.001.308	17.001.068	17.001.315	17.001.067	17.001.066
40	32	17.001.309	17.001.088	17.001.316	17.001.089	17.001.090
50	40	17.001.310	17.001.107	17.001.317	17.001.105	17.001.106
63	50	17.001.311	17.001.101	17.001.318	17.001.099	17.001.100

We reserve the right to make technical changes in the interest of improvement.

CHARACTERISTIC GRAPHS FOR THROTTLE SOCKET V251



CHARACTERISTIC GRAPHS FOR THROTTLE SOCKET V 251

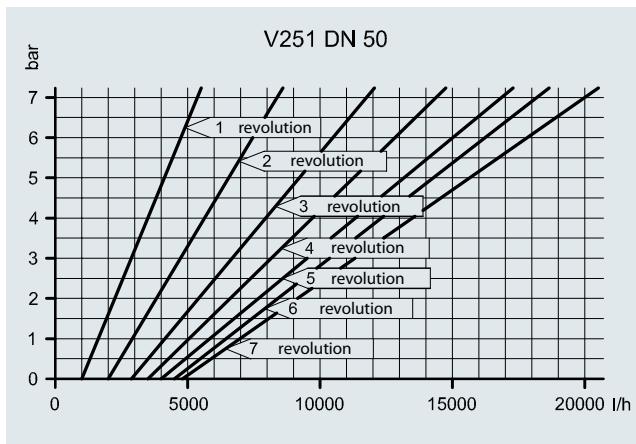


To configure the nominal width, we recommend using the specified values with the throttle socket half open.

Example

Pressure upstream of throttle socket: 3 bar
Desired flow rate: 2,000 l/h

According to the diagram for DN 25, a flow rate of 2,000 l/h is obtained by opening the adjustment screw by 2 rotations. The nominal width of DN 25 is very suitable for this.



V251



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