

## Throttle Valve Type V251



### Product description

Throttle valves are used wherever fluids or gases need to be throttled in pipelines. The compact design, simple and robust construction and good control characteristics ensure high operational safety.

### Function

A spindle with cone narrows the cross-section of the opening in the housing, thus restricting the volume flow to the desired value. The setting must be made using a tool (screwdriver or flat material), which has the advantage that the set value cannot be changed unintentionally.

### Applications

- Chemical dosing
- Water treatment

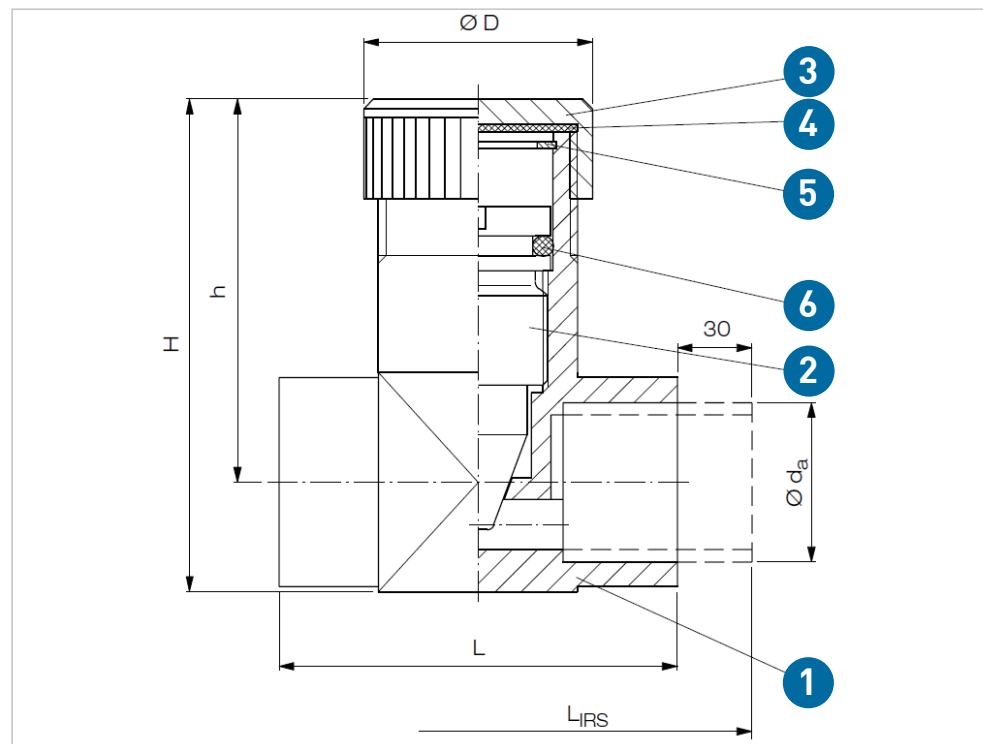
### Benefits/features

- Good chemical resistance thanks to highly resistant plastics (PVC, PP, PVDF)
- Requires practically no maintenance and can be installed in any position
- High operational safety thanks to compact and robust construction
- Good control characteristics

### Flow media

Neutral and aggressive media with a small quantity of particles/solids. The chemical resistance depends on the selected valve material ([see online tool ChemRes PLUS](#)).

## Technical data



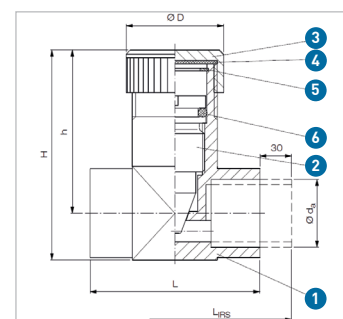
- 1 Housing
- 2 Spindle
- 3 Cap
- 4 Gasket
- 5 Stop ring
- 6 O-ring

### Specification

Dimensions	d16/DN10 – d63/DN50
Materials	PVC-U PP PVDF
Gasket materials	EPDM/FKM (PVDF: FKM)
Pressure level	PN10
Setting range	100 - 20 000 l/h
Connections	Cement and fusion spigot
Assembly	Unrestricted
Product standard	EN ISO 21787
Test standard	ISO 9393-2, EN 12266-1

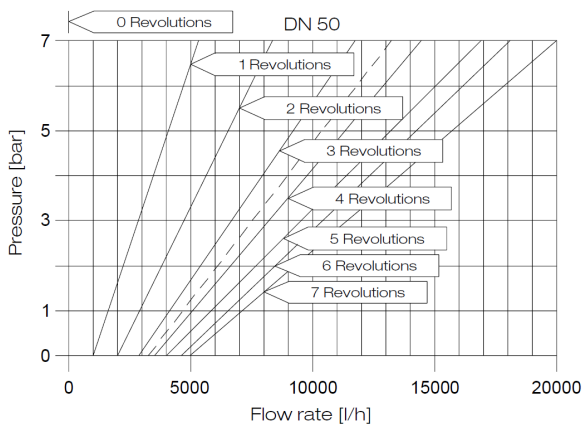
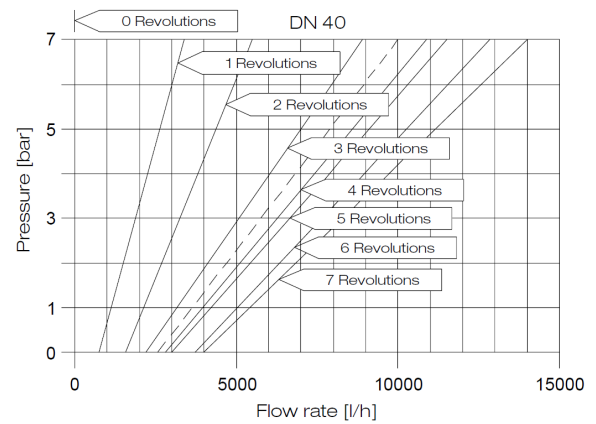
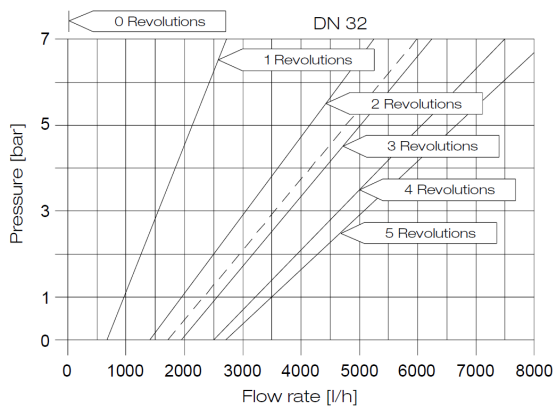
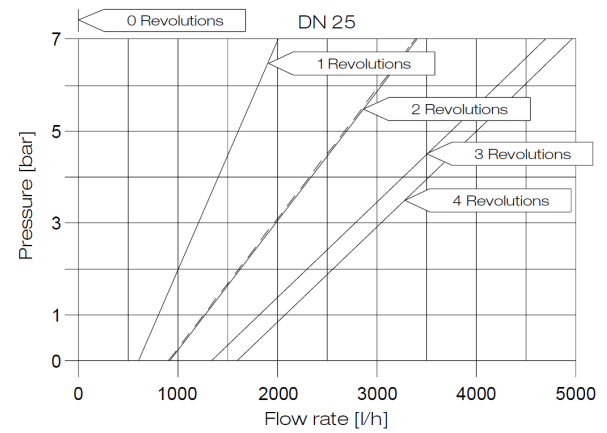
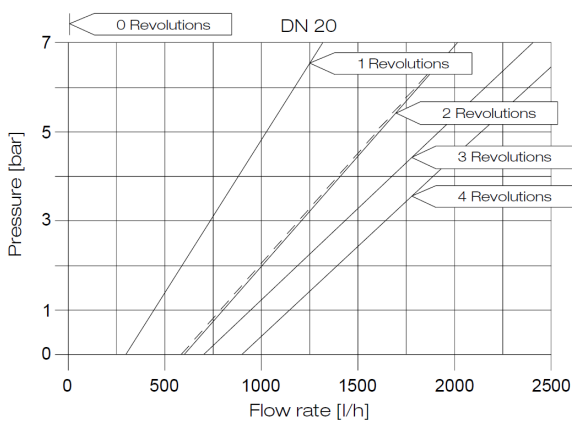
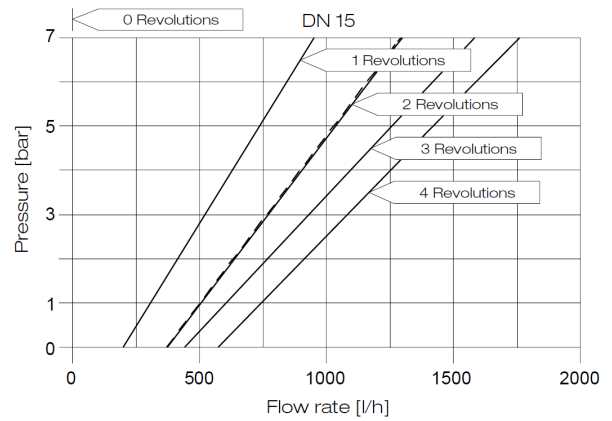
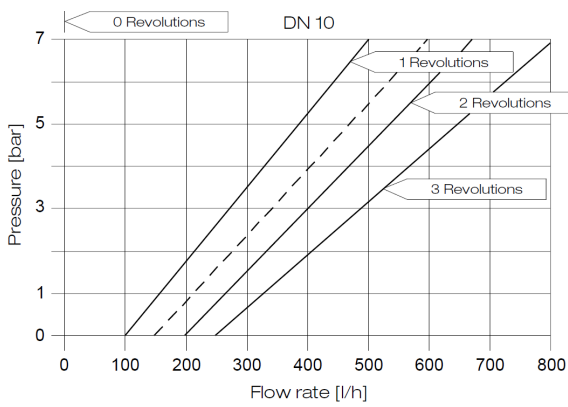
## Dimensions

d (mm)	DN (mm)	L (mm)	H (mm)	h (mm)	D (mm)
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



## Flow characteristics

- X Kv, Cv value (l/hr)
- Y Medium pressure (bar)



## Example

Pressure upstream: 3 bar

Desired flow: 2,000 l/h

- Diagram for DN25, with the set screw opened 2 revolutions and a flow of 2,000 l/h.
- The nominal diameter DN25 is well suited for this purpose.

## Tips for installation

To dimension the nominal diameter, we recommend using the given values with a half-opened throttle valve.

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