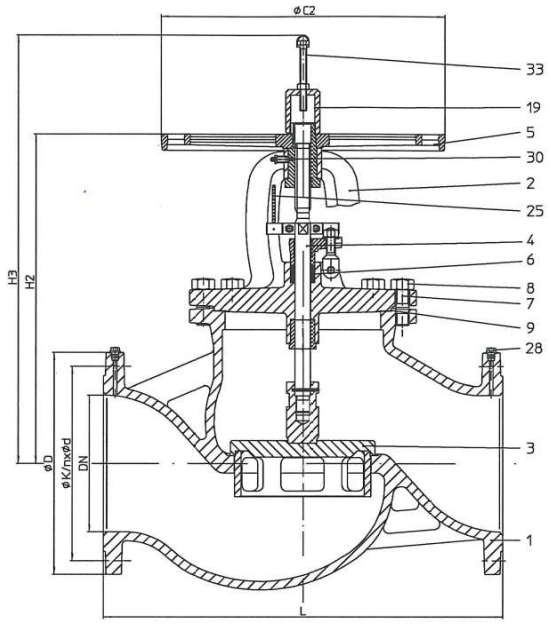
Balancing valve DN350, DN400



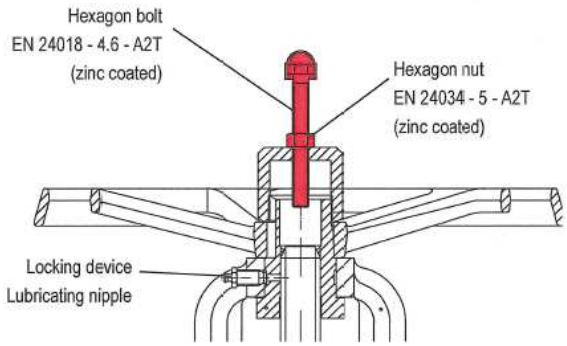
Parts

Pos.	Description	Fig. 22.042 (DN250-400)
1	Body	EN-JS1049 , EN-GJS-400-18U-LT
1.2	Seat ring	X20Cr13+QT, 1.4021+QT
2	Bonnet	EN-JS1049 , EN-GJS-400-18U-LT
3	Plug *	P265 GH, 1.0425 / G19 9 Nb Si, 1.4551
4	Stem *	X20Cr13+QT, 1.4021+QT (burnished)
5	Handwheel	EN-JL1040, EN-GJL-250 (coated)
6	Packing ring *	Pure graphite
7	Stud	25CrMo4, 1.7218
8	Hexagon nut	C35E, 1.1181
9	Gasket *	Pure graphite (CrNi laminated with graphite)
19	Guard cap	11SMnPb30+C, 1.0718+C (coated)
25	Indicator (Travel indicator (scale))	Al
28	Hexagon head screw plug (G1/4")	5.8 BL
30	Locking device	St - A3G
33	Travel limiter	4.6 - A2T / 5 - A2T
* Spare part		

Dimensions:

Nominal Diameter (mm)		350	400
L	(mm)	980	1100
H2	(mm)	775	790
H3	(mm)	1035	1050
ΦC2	(mm)	640	640
Travel	(mm)	84	91
Limitation ΔP	(bar)	4,5	3,5
Kvs- value	(m^3/h)	1651	2383
Zeta- value	-	8,8	7,2

Travel limiter, Locking device



Straight through with flanges with gland packing

- Metal sealed
- Gland packing
- Travel indicator (scale)

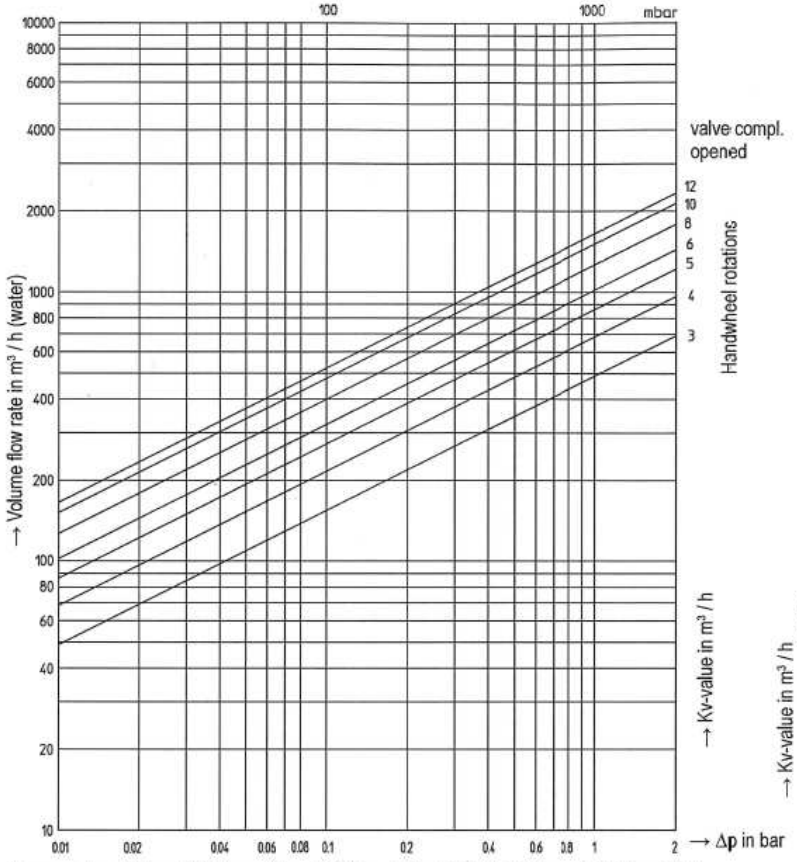
Features:

- Position indicator
- Travel limiter
- Non- rising handwheel
- Non- rotation lock
- External stem thread
- Free of FCKW and PCB

Pressure- temperature- ratings

Material	PN	-10° to 120°C	150°C	200°C	250°C	300°C	350°C
EN-JS1049	PN16 (bar)	16	15,5	14,7	13,9	12,8	11,2

Intermediate values for max. permissible operational pressures can be determined by linear interpolation of the given temperature / pressure chart.



Pressure drop in Pascal (10 Pascal 1mm WS (1mm WS = 9,8066 Pa) 1bar = 0,1MPa = 10^5Pa

DN350 / PN16

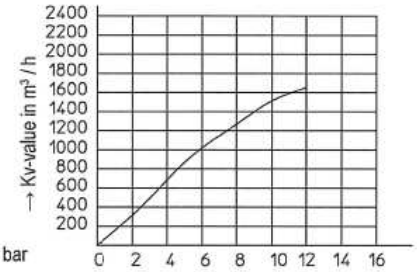
Handwheel rotations	Zeta-value	Kvs-value
3	98	495
4	52,4	677
5	33,2	851
6	23,1	1019
8	17,8	1272
10	10,5	1513
12	8,81	1651

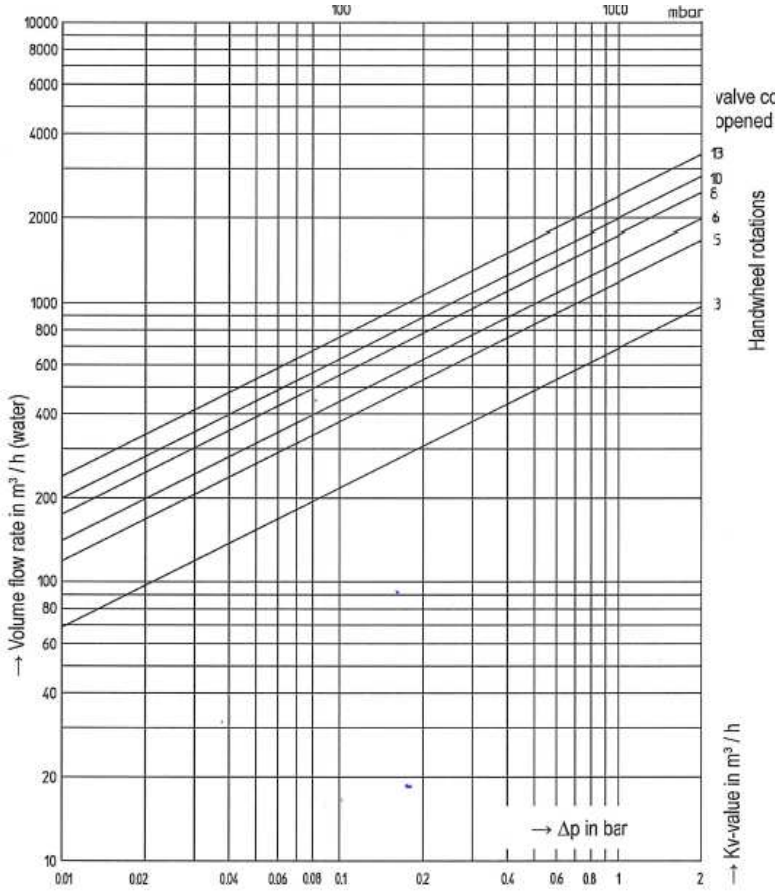
max. permissible differential pressure in throttling function 2 bar.

max. permissible flow speed: Liquids ≤ 4 m/s,
Gas and vapours ≤ 60 m/s

Condition: The flow must be free from cavitation.

Flow characteristic





Pressure drop in Pascal (10 Pascal 1mm WS (1mm WS = 9,8066 Pa) 1bar = 0,1MPa = 10^5Pa

DN400 / PN16

Handwheel rotations	Zeta-value	Kvs-value
3	86	690
5	29,3	1182
6	20,6	1409
8	13,3	1752
10	10,3	1991
13	7,2	2383

max. permissible differential pressure in throttling function 2 bar.

max. permissible flow speed: Liquids ≤ 4 m/s,
Gas and vapours ≤ 60 m/s

Condition: The flow must be free from cavitation.

Flow characteristic