

VDHA High pressure valve

EO tube end / EO tube end

with internal threaded spindle and body of low grade forged stainless steel
The pressure specification PN for hand-operated shut-off valves applies to the design factor 1,5 (according DIN 3230 T5 and ISO 5208).

Caution!

Please note the admissible pressure ratings for the EO-tube ends.

Temperatures up to 400°C according to tube material (consider pressure drop with temperatures above 50°C)

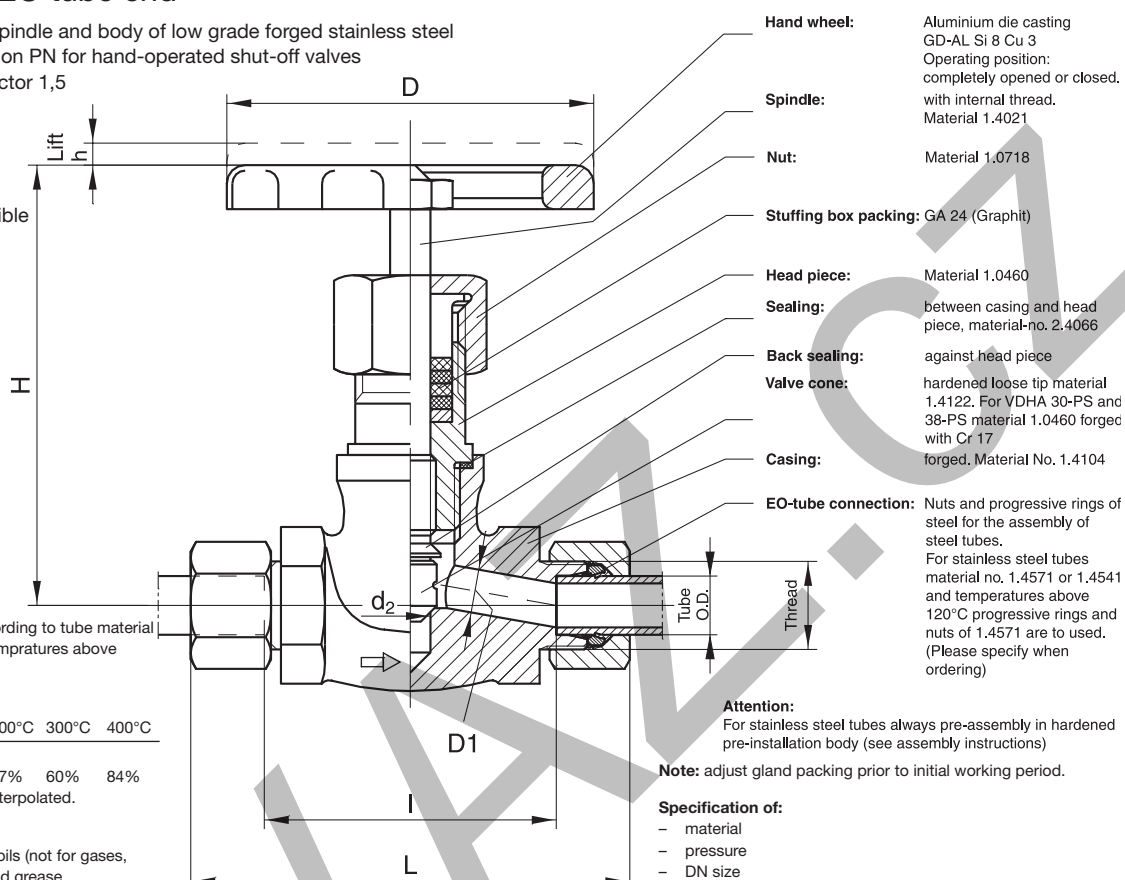
Required pressure reductions

temperature	50°C	100°C	200°C	300°C	400°C
pressure reductions	6%	15%	37%	60%	84%

Intermediate values are to be interpolated.

Applications:

For water, steam, hot and cold oils (not for gases, oxygen etc.) on mineral oil based grease.
For compressed air up to 50°C. For corrosive media, acids, fire resistant fluid etc.



Hand wheel:

Aluminium die casting
GD-AL Si 8 Cu 3
Operating position:
completely opened or closed.
Material 1.4021

Spindle:

Material 1.4021

Nut:

Material 1.0718

Stuffing box packing: GA 24 (Graphit)

Head piece:

Material 1.0460

Sealing:

between casing and head piece, material-no. 2.4066

Back sealing:

against head piece

Valve cone:

hardened loose tip material 1.4122. For VDHA 30-PS and 38-PS material 1.0460 forged with Cr 17

Casing:

forged, Material No. 1.4104

EO-tube connection: Nuts and progressive rings of steel for the assembly of steel tubes.
For stainless steel tubes material no. 1.4571 or 1.4541 and temperatures above 120°C progressive rings and nuts of 1.4571 are to be used. (Please specify when ordering)

Attention:

For stainless steel tubes always pre-assembly in hardened pre-installation body (see assembly instructions)

Note: adjust gland packing prior to initial working period.

Specification of:

- material
- pressure
- DN size
- identification mark on hand wheel.

Series	D1	PN (bar)	DN	Thread	d2	H	L	I	h	D	Weight g/1 piece	With Nut and Ring	
												Dry Technology EO-2	PSR steel
S ⁴⁾	06	630	4	M 14×1.5	9.5	120	95	66	6	100	891	VDHA06ZS	VDHA06S
	08	630	5	M 16×1.5	9.5	120	95	66	6	100	917	VDHA08ZS	VDHA08S
	10	630	7	M 18×1.5	9.5	120	97	65	6	100	937	VDHA10ZS	VDHA10S
	12	630	8	M 20×1.5	9.5	120	97	65	6	100	940	VDHA12ZS	VDHA12S
	14	630	10	M 22×1.5	9.5	120	119	84	6	100	1194	VDHA14ZS	VDHA14S
	16	400	11	M 24×1.5	9.5	120	119	83	6	100	1209	VDHA16ZS	VDHA16S
	20	400	13	M 30×2.0	11.0	120	122	79	6	100	1292	VDHA20ZS	VDHA20S
	25	400	17	M 36×2.0	12.0	143	154	106	9	125	2013	VDHA25ZS	VDHA25S
	30	250	19	M 42×2.0	22.5	164	156	103	12	125	2596	VDHA30ZS	VDHA30S
	38	250	25	M 52×2.0	26.5	198	179	118	12	180	4972	VDHA38ZS	VDHA38S

¹⁾ Pressure shown = item deliverable

⁴⁾ S = heavy series

PN (bar) = PN (MPa)
10