

NEEDLE VALVES NV400

DESCRIPTION

The ADCA NV400 is a series of high pressure needle valves designed for shut-off applications with steam and other industrial fluids.

The NV400B is a special version designed for use as a boiler water sample valve when connected to the bottom sample connection on a VPC TDS blowdown control valve.

MAIN FEATURES

Complete stainless steel construction.

High quality graphite packing.

OPTIONS: Version for oxygen service.
Other sizes, materials and connections.

USE: Saturated steam, water, compressed air and other fluids compatible with the construction.

AVAILABLE MODELS: NV400H and NV400B.

SIZES: 1/4" to 1/2".

CONNECTIONS: NV400H – Female threaded ISO 228.
NV400B – Inlet: Female threaded ISO 228.
Outlet: Comp. fitting 8S (M16 x 1,5).
Others on request.

INSTALLATION: In any position.



NV400H

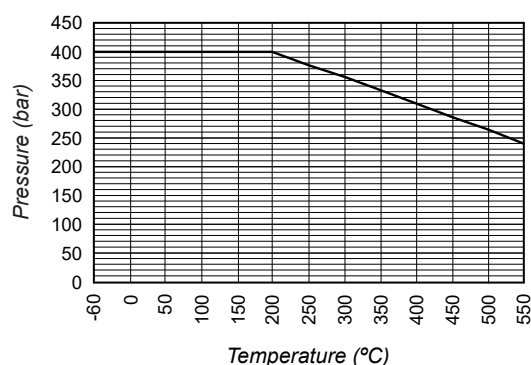


NV400B

CE MARKING – GROUP 2 (PED – European Directive)

PN 400	Category
1/4" to 1/2"	SEP

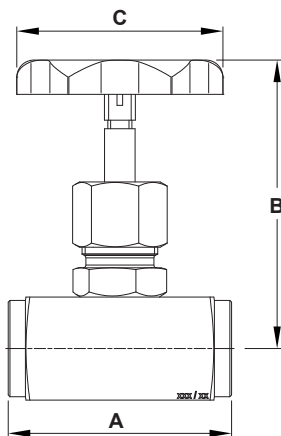
BODY LIMITING CONDITIONS



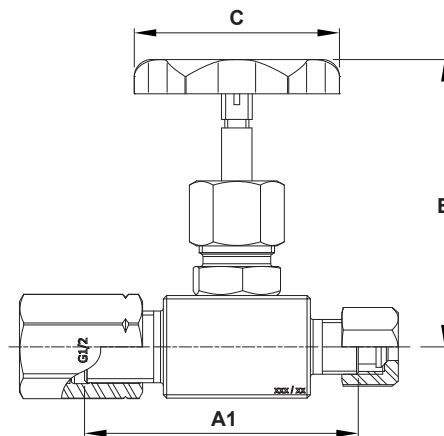
FLOW RATE COEFFICIENTS (m³/h) – NV400H

MODEL	1/4"	3/8"	1/2"
NV400H	0,58	0,88	0,99
NV400B	–	–	0,56

For conversion Kvs = Cv (US) x 0,855.



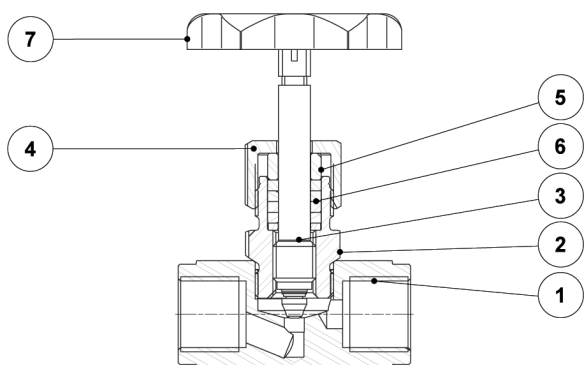
NV400H



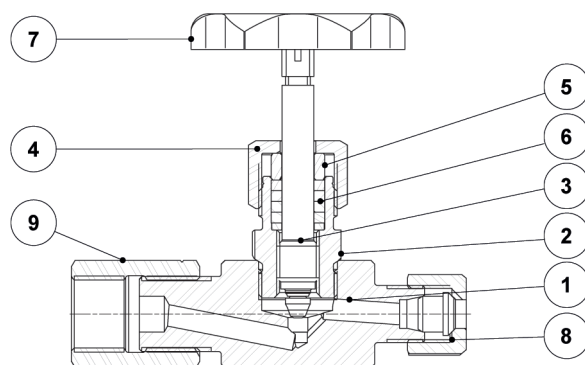
NV400B

DIMENSIONS (mm)

SIZE	NV400H					NV400B				
	A	B	C	ORIFICE	WGT. (kg)	A1	B	C	ORIFICE	WGT. (kg)
1/4"	55	82	70	6	0,5	–	–	–	–	–
3/8"	60	82	70	6	0,5	–	–	–	–	–
1/2"	65	82	70	6	0,5	80	82	70	6	0,7



NV400H



NV400B

MATERIALS

POS. N°	DESIGNATION	MATERIAL
1	Body	AISI 316Ti / 1.4571
2	Bonnet	AISI 316Ti / 1.4571
3	Stem	AISI 316Ti / 1.4571
4	Packing nut	AISI 316Ti / 1.4571
5	Packing gland	AISI 316Ti / 1.4571
6	Packing	Graphite
7	Handwheel	Metallic
8	Compression fitting	AISI 316Ti / 1.4571
9	Alignment union	AISI 316Ti / 1.4571