FENKS BB

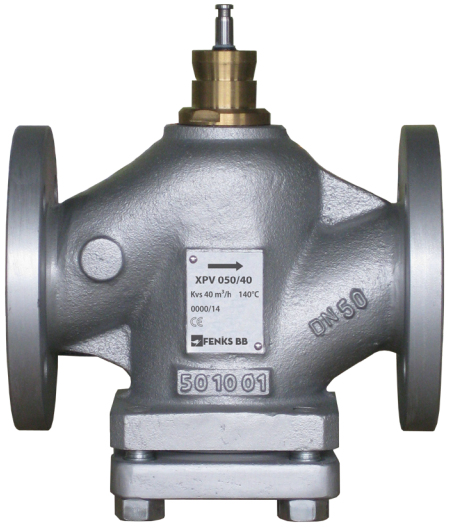
Through Flanged Valve for Steam
type: **XPV**

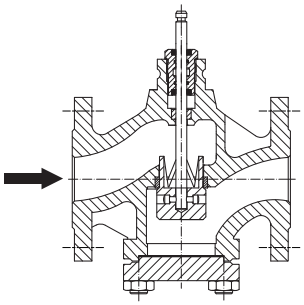
Description

Through flanged valve is primary designed to control the fluid flow in heating systems as well as for remote closing of heating pipelines. Circulation medium is steam in pressure range up to 4 bar (t=140°C).

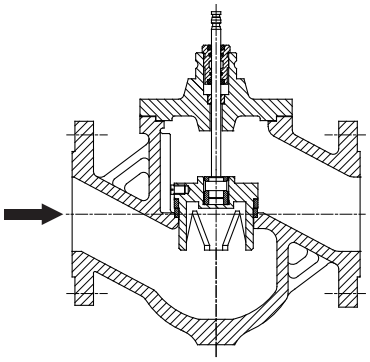
It is applied in various heating, ventilation and air conditioning systems and in industrial and technological processes. Valve curve is equal percentage. Regulation ratio (ratio between nominal and minimal flow coefficient) is 50:1. Selection of through flanged valve is according to diagram of Kvs values or is based on the calculation method.

Valve is assembled for push-down-to-open cone action for nominal diameter up to DN 65 and reverse for bigger ones.





DN 15 – DN 65



DN 80 – DN 100

Types

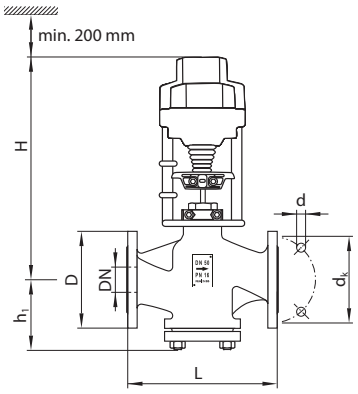
DN (mm)	K_{VS} (m^3/h)	Stroke (mm)	Type
15	1	10	**XPV-015/1**
15	1,6	10	**XPV-015/1,6**
15	2,5	10	**XPV-015/2,5**
15	4	14	**XPV-015/4**
25	6,3	20	**XPV-025/6,3**
25	10	20	**XPV-025/10**
32	16	20	**XPV-032/16**
40	25	20	**XPV-040/25**
50	40	40	**XPV-050/40**
65	63	40	**XPV-065/63**
80	100	40	**XPV-080/160**
100	160	45	**XPV-100/260**

Tehnical data

Nominal pressure:	PN 16
Max. working pressure:	PS=4 bar
Medium:	steam
Medium temperature:	up to 140 °C
Valve curve characteristic:	equal percentage
Type of connection:	flanges (EN 1092-2)
Housing material:	GG 25
Valve cone material: **- up to DN 50** **- from DN65 to DN150**	 WN1.4021 GG 25/WN1.4021
Stem material:	WN1.4057
Seat valve material:	WN1.4021
Sealing element material:	PTFE

Dimensions

DN	(mm)	15	25	32	40	50	65	80	100
D	(mm)	95	115	140	150	165	185	200	220
L	(mm)	130	160	180	200	230	290	310	350
z/d	(mm)	4/14			4/19			8/19	
d_k	(mm)	65	85	100	110	125	145	160	180
h_1	(mm)	60	75	92	95	108	99	100	127
H	(mm)	230	235	240	250	370	390	435	465
weight	(kg)	4,5	7,5	10,5	11	17,5	25	34	49

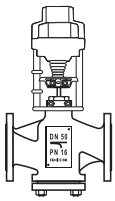


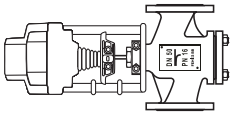
DN	Nominal diameter
D	Flange diameter
L	Distance between flanges
z	Number of bolt holes
d	Bolt hole diameter
d_k	Bolt circle diameter
h1	Height up to the flange axis

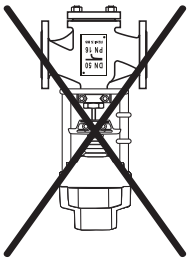
Installation

The valve can be installed in all positions, from horizontal to vertical, except in vertical position with the actuator pointing downwards.

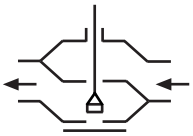
The arrow on the valve body must match the direction of fluid flow through the valve. The valves are used with a closing procedure “against the pressure”.







Closing procedure “against the pressure”



Disposal

Prior to the assembly, maintenance and disassembly, the system must be depressurized, cooled down and emptied.

Only authorized, trained and qualified personnel may perform activities of assembly, start-up, operation and disassembly of the equipment.

Before disposal the valve must be dismantled into groups of structural components and delivered to authorized waste recycling organizations in order to preserve the environment. Local legislations must be obeyed when disposing of the components.

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Feniks BB has implemented and maintains quality and environment management systems in accordance with international standards ISO 9001:2008 and ISO 14001:2004.

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