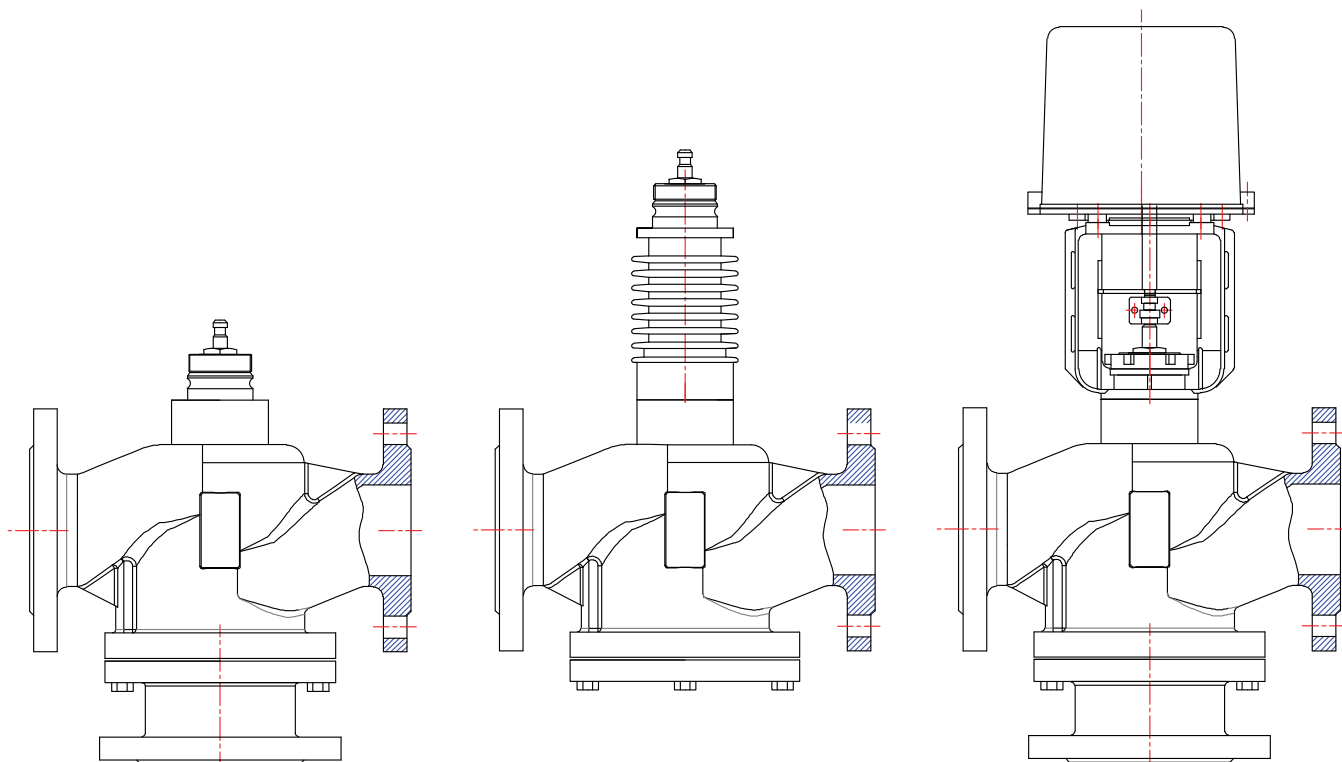


## SMV-L3 Series Valves with Flange



- 3-way control valves with flange
- DN15-DN300mm
- Kvs 4- 1200m<sup>3</sup>/h range
- Cast iron body (HT250)

### ● 3 Way Valves with Flanges

Used as a control valve in district heating, HVAC and building automation systems applications.

Fast and accurate flow control.

The most energy saving, efficient and comfortable HVAC systems can only be designed by considering optimal hydronic balance and definite temperature control. In order to achieve efficiency targets, we offer you high quality solutions of Smallart Control valves.

You can use Smallart Control valves at your heating and cooling line shut- off and Boiler applications with high reliability. The valves have cast iron and provide high endurance.

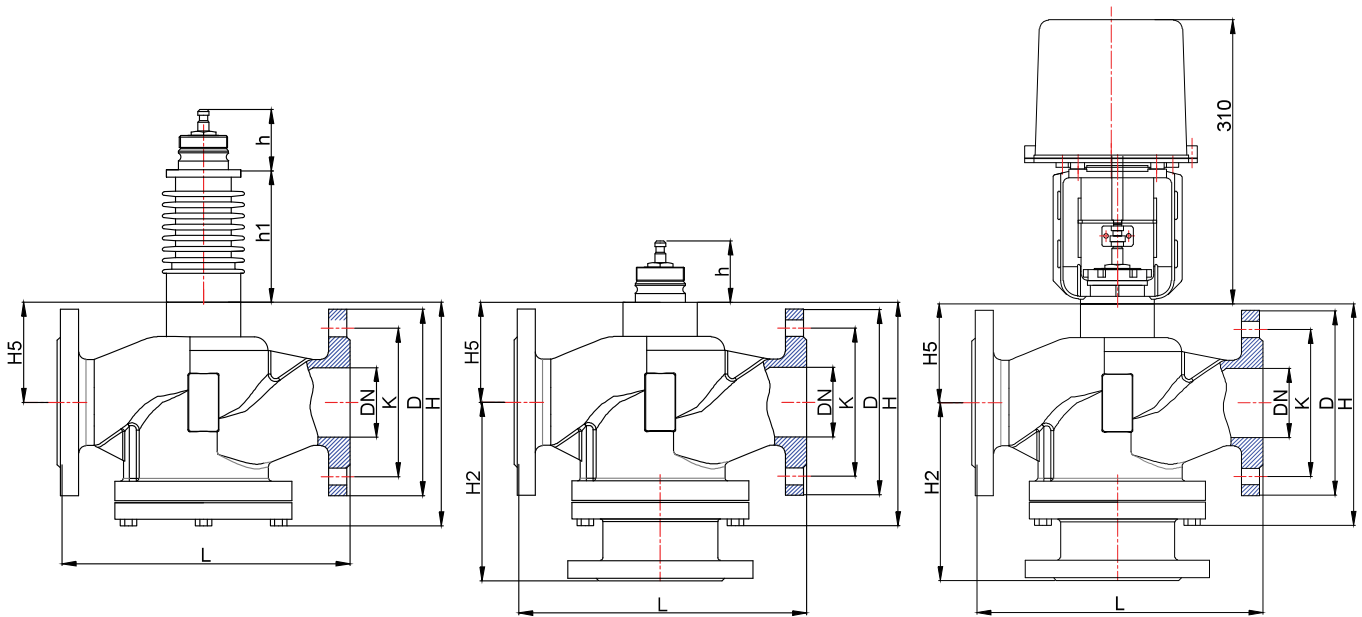
Model	Diverting Type Models	Dn	Kvs(m <sup>3</sup> /h)	Rp(inch)	Stroke	Flange Connection
SMV-L30CIF16W-015-04K0	SMV-L31CIF16W-015-04K0	DN15	4	¼	13	4M12
SMV-L30CIF16W-020-06K3	SMV-L31CIF16W-020-06K3	DN20	6,3	½	13	4M12
SMV-L30CIF16W-025-016K	SMV-L31CIF16W-025-016K	DN25	8	1	13	4M12
SMV-L30CIF16W-032-016K	SMV-L31CIF16W-032-016K	DN32	16	1 ¼	13	4M16
SMV-L30CIF16W-040-025K	SMV-L31CIF16W-040-025K	DN40	25	1 ½	19	4M16
SMV-L30CIF16W-050-040K	SMV-L31CIF16W-050-040K	DN50	40	2	19	4M16
SMV-L30CIF16W-065-063K	SMV-L31CIF16W-065-063K	DN65	63	2 ½	20	4M16
SMV-L30CIF16W-080-100K	SMV-L31CIF16W-080-100K	DN80	100	3	20	8M16
SMV-L30CIF16W-100-160K	SMV-L31CIF16W-100-160K	DN100	160	4	42	8M16
SMV-L30CIF16W-125-250K	SMV-L31CIF16W-125-250K	DN125	250	5	42	8M16
SMV-L30CIF16W-150-410K	SMV-L31CIF16W-150-410K	DN150	410	6	42	8M20
SMV-L30CIF16W-200-630K	SMV-L31CIF16W-200-630K	DN200	630	8	55	12M20
SMV-L30CIF16W-250-1000	SMV-L31CIF16W-250-1000	DN250	1000	10	80	12M24
SMV-L30CIF16W-300-1200K	SMV-L31CIF16W-300-1200K	DN300	1200	12	80	12M24

\*\*Cooling component is an option for each model.

## Technical Data

Leakage Level	Less than 0.05% of Kvs
Operating Pressure	PN16
Flange Connection Type	PN16 According to EN 1092-2
Valve Characteristic Curve	Equal percentage
Media	Water or glycol solution
Medium Temperature	-10...110°C ( -10 ... 180°C, with radiator)
Body	Cast Iron
Spring	Stainless steel
Seat	Stainless steel
Adjustment Spool	Stainless steel
Stem	Stainless steel
Plug material	PTFE+FKM

## Dimension



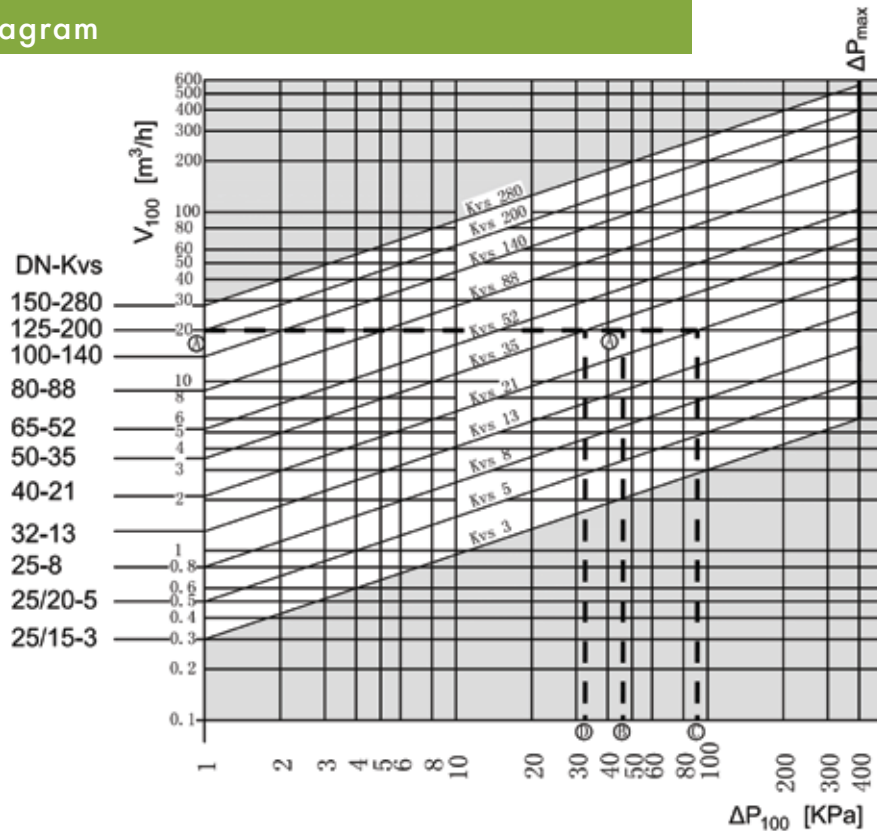
DN	L	D	K	Number of holes and bolt size	H2	H5	h	H'			Weight (Kg)
								VAJ1.../ VAJ2.../ VAS... Series	VAJ3.../ VAJ4... Series	VSL Serisi	
15	180	115	85	4M12	X	100	35	X	x	-	9,75
20	180	115	85	4M12	X	100	35	X	x	-	9,75
25	180	115	85	4M12	160	100	35	450	570	-	9.8
32	180	140	100	4-M16	160	101	35	451	571	791	11.2
40	200	150	110	4-M16	156	86	35	436	560	776	12.8
50	230	165	125	4-M16	170	89	35	439	570	779	17.8
65	290	185	145	4-M16	183	90	66	440	560	780	24.2
80	310	200	160	8-M16	190	101	66	451	571	791	29.6
100	350	220	180	8-M16	212	111	66	-	581	801	39.3
125	400	250	210	8-M16	236	127	66	-	597	817	58.3
150	480	285	240	8-M20	254	141	66	-	611	831	81
200	495	340	295	12-M20	327	165	66	-	634	854	126
250	622	405	355	12-M24	395	248	98	-	-	938	249
300	698	460	410	12-M24	440	280	98	-	-	1010	337

**DN** = Nominal diameter valves,

**H5** = from the pipe center to actuator installation part (upper edge) height

**H'** = total height with actuator, including for installation, wiring, operation, maintenance and other work aside from the wall or ceiling minimum distance

## Flow Diagram



- deltaPmax** = Maximum permissible differential pressure across the valve, the maximum pressure in normal use should not exceed this value;
- V100** = Medium volume flow valve is fully open when the water
- deltaP 100** = Volume flow is fully open valve and the pressure at both ends of the valve V100
- 100Kpa** = 1 bar  $\approx$  10m H2O
- 1m<sup>3</sup>/h** = 0.278 l/s water at 20°C

## Electric Actuator

Actuator and Valve matrix

Model	Actuator (Force)	Actuator Model
DN15	500N	SMA-EL25-05M-024
DN20		SMA-EL25-005F-024
DN25		SMA-EL25-005F-230
DN32	1000N	SMA-EL25-010M-024
DN40		SMA-EL25-010F-024
DN50		SMA-EL25-010F-230
DN65	1500N	SMA-EL20-015M-024
DN80		SMA-EL20-015F-024 SMA-EL20-015F-230
DN100	3000N	SMA-ELXX-030M-024
DN125		SMA-ELXX-030F-024
DN150		SMA-ELXX-030F-230
DN200(410)		
DN200(630)	6500N	SMA-ELXX-030M-024
DN250(630)		SMA-ELXX-030F-024 SMA-ELXX-030F-230
DN250(1000)	10000N	SMA-ELXX-100F-230
DN300(1000)		SMA-ELXX-100M-230
DN300(1200)		