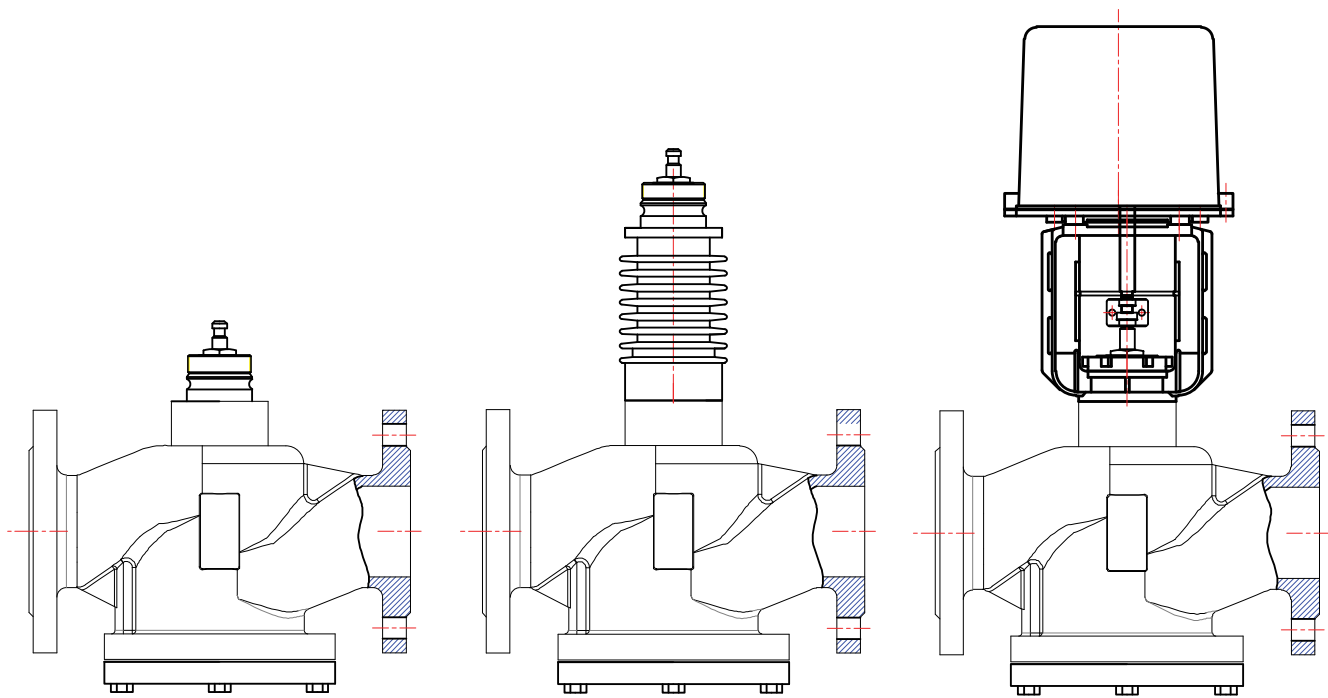


SMV-L2 Series Valves with Flange



- 2-way control valves with flange
- DN15-DN300mm
- Kvs 4 - 1200 m³/h range
- Cast iron body EN-GJL-250

● 2 Way Valves with Flange

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	Dn	PN	Kvs(m ³ /h)	Rp(inch)	Stroke	Flange Connection
SMV-L20CIF16W-015-04K0	DN15	16	4	¼	13	4M12
SMV-L20CIF16W-020-06K3	DN20	16	6,3	½	13	4M12
SMV-L20CIF16W-025-016K	DN25	16	8	1	13	4M12
SMV-L20CIF16W-032-016K	DN32	16	16	1 ¼	13	4M16
SMV-L20CIF16W-040-025K	DN40	16	25	1 ½	19	4M16
SMV-L20CIF16W-050-040K	DN50	16	40	2	19	4M16
SMV-L20CIF16W-065-063K	DN65	16	63	2 ½	20	4M16
SMV-L20CIF16W-080-100K	DN80	16	100	3	20	8M16
SMV-L20CIF16W-100-160K	DN100	16	160	4	42	8M16
SMV-L21CIF16W-125-250K	DN125	16	250	5	42	8M16
SMV-L21CIF16W-150-410K	DN150	16	410	6	42	8M20
SMV-L21CIF16W-200-410K	DN200	16	410	8	42	12M20
SMV-L21CIF16W-200-630K	DN200	16	630	8	55	12M20
SMV-L21CIF16W-250-630K	DN250	16	630	10	55	12M24
SMV-L21CIF16W-250-1000K	DN250	16	1000	10	80	12M24
SMV-L21CIF16W-300-1200K	DN300	16	1200	12	80	12M24

STEAM VALVES

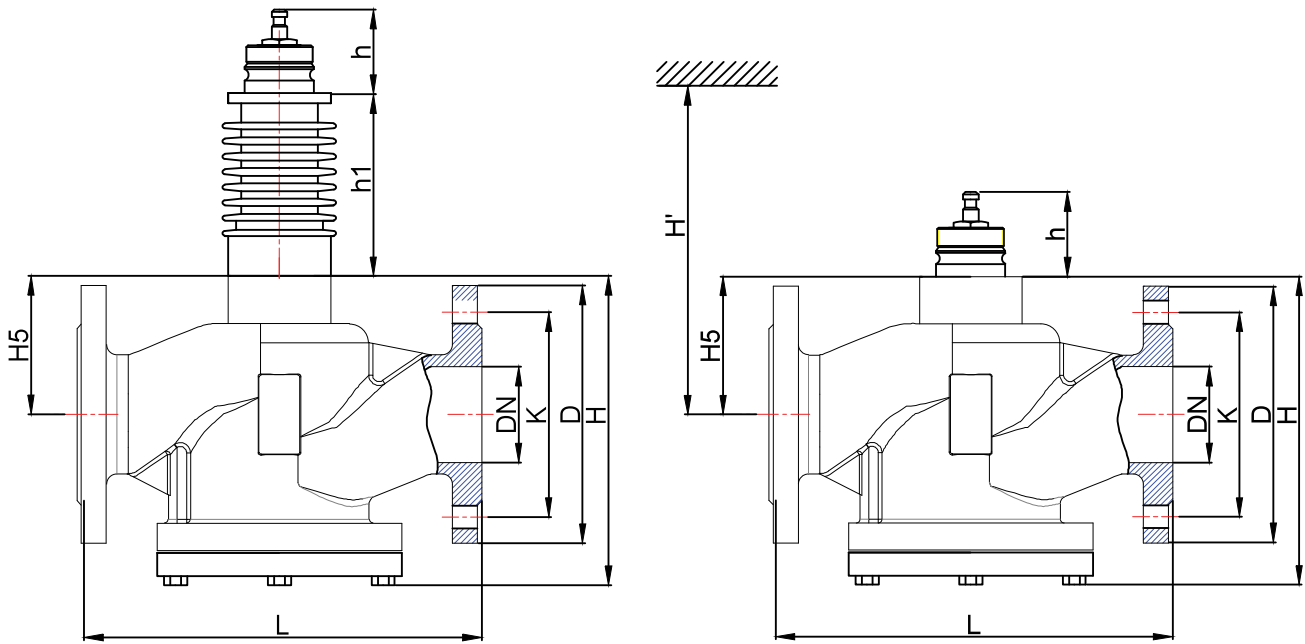
SMV-L25CIF25S-020-04K0	DN20	25	4	½	13	4M12
SMV-L25CIF25S-020-06K3	DN20	25	6,3	½	13	4M12
SMV-L25CIF25S-025-010K	DN25	25	10	1	13	4M12
SMV-L25CIF25S-032-016K	DN32	25	16	1 ¼	13	4M16
SMV-L25CIF25S-040-025K	DN40	25	25	1 ½	19	4M16
SMV-L25CIF25S-050-040K	DN50	25	40	2	19	4M16
SMV-L25CIF25S-065-063K	DN65	25	63	2 ½	20	4M16
SMV-L25CIF25S-080-100K	DN80	25	100	3	20	8M16
SMV-L25CIF25S-100-160K	DN100	25	160	4	42	8M16
SMV-L26CIF25S-125-250K	DN125	25	250	5	42	8M16
SMV-L26CIF25S-150-410K	DN150	25	410	6	42	8M20

**Cooling component is an option for each model.

Technical Data

Leakage Level	Less than 0.05% of Kvs
Operating Pressure	PN16 (PN25 for steam valves)
Flange Connection Type	PN16 (PN25 for steam valves) 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



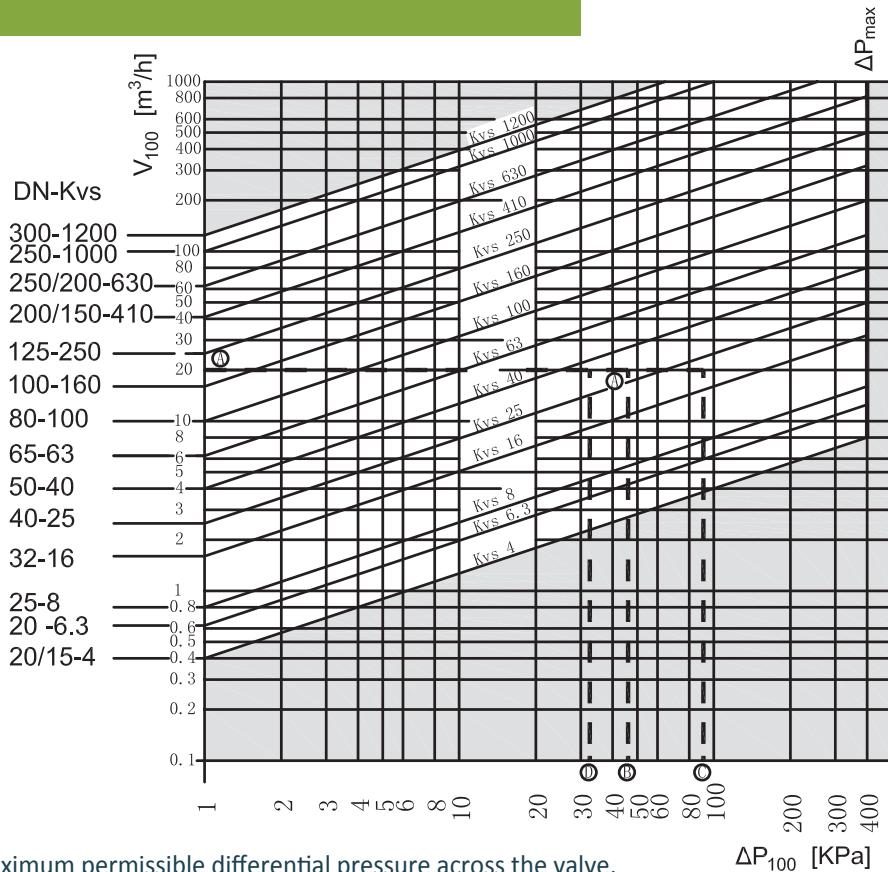
DN	L	D	K	Number of holes and bolt size	H	H5	h	h1	H'			Weight (Kg)
									SMA-EL22 Type Actuator	SMA-EL50 Type Actuator	SMA-EL60 and SMA-EL100 Type Actuator	
15	180	115	85	4-M12	165	100	35	145	450	570	-	7,15
20	180	115	85	4-M12	165	100	35	145	450	570	-	7,15
25	180	115	85	4-M12	165	100	35	145	450	570	-	7,2
32	180	140	100	4-M16	165	101	35	145	451	571	791	8,5
40	200	150	110	4-M16	165	86	35	145	436	560	776	10,1
50	230	165	125	4-M16	175	89	35	145	439	570	779	14
65	290	185	145	4-M16	215	90	66	145	440	560	780	24,2
80	310	200	160	8-M16	235	101	66	145	451	571	791	25,5
100	350	220	180	8-M16	265	111	66	145	-	581	801	32
125	400	250	210	8-M16	295	127	66	145	-	597	817	52
150	480	285	240	8-M20	320	141	66	145	-	611	831	69
200	495	340	295	12-M20	405	165	66	145	-	635	855	115
200	630	340	295	12-M20	405	165	66	145	-	635	855	115
250	622	405	355	12-M24	489	248	66	145	-	-	938	175
250	630	405	355	12-M24	489	248	66	145	-	-	938	175
300	698	460	410	12-M24	592	281	66	145	-	-	971	230

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 ≈ 10m H₂O

1m³/h = 0.278 l/s water at 20°C

Electric Actuator

Actuator and Valve matrix

Model	Actuator (Force)	Actuator Model
DN15	500N	SMA-EL12-005M-024
DN20		SMA-EL12-005F-024
DN25		SMA-EL12-005F-230
DN32	1000N	SMA-EL22-010M-024
DN40		SMA-EL22-010F-024
DN50		SMA-EL22-010F-230
DN65	1500N	SMA-EL22-015M-024
DN80		SMA-EL22-015F-024 SMA-EL22-015F-230
DN100	3000N	SMA-EL50-030M-024
DN125		SMA-EL50-030F-024
DN150		SMA-EL50-030F-230
DN200(410)	6500N	SMA-EL60-065M-230
DN200(630)		SMA-EL60-065F-230
DN250(630)	10000N	SMA-EL100-100M-230
DN250(1000)		SMA-EL100-100F-230
DN300(1000)		
DN300(1200)		

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