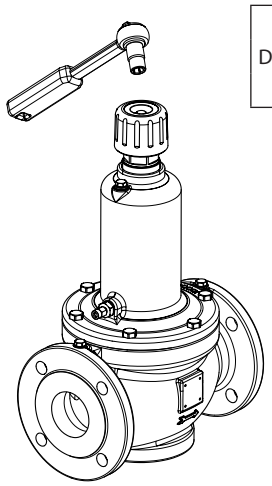
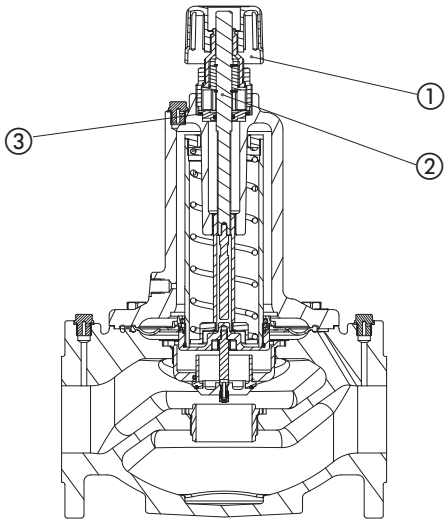
Instructions
ASV-PV (DN 65-100)

❶



DN	65	13
	80	13
	100	13

❷



❸

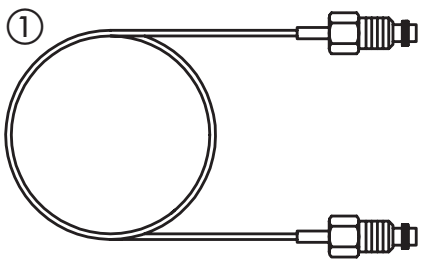
n	ASV-PV DN 65 - 100		
	20-40 (kPa)	35-75 (kPa)	60-100 (kPa)
0	40	75	100
1	39	74	99
2	38	73	98
3	37	72	97
4	36	71	96
5	35	70	95
6	34	69	94
7	33	68	93
8	32	67	92
9	31	66	91
10	30	65	90
11	29	64	89
12	28	63	88
13	27	62	87
14	26	61	86
15	25	60	85
16	24	59	84
17	23	58	83
18	22	57	82
19	21	56	81
20	20	55	80

n	ASV-PV DN 65 - 100		
	20-40 (kPa)	35-75 (kPa)	60-100 (kPa)
21		54	79
22		53	78
23		52	77
24		51	76
25		50	75
26		49	74
27		48	73
28		47	72
29		46	71
30		45	70
31		44	69
32		43	68
33		42	67
34		41	66
35		40	65
36		39	64
37		38	63
38		37	62
39		36	61
40		35	60

①

[1] **Δp setting range (kPa)**	**kPa**
20 - 40	30
35 - 75	60
60 - 100	80

❹



ENGLISH

Automatic balancing valves ASV-PV is used together with shut-off and measuring valve MSV-F2 to control the differential pressure in risers where the radiator valves have presetting facilities.

ASV-PV maintain constant differential pressure across the riser.

Max. working pressure ..... 16 bar
Differential pressure
across valve ..... 10-250 kPa
Max. flow temperature ..... 120 °C

Installation
ASV-PV must be installed in the return pipe. The flow must be in the direction of the cast-in arrow. It is recommended that an FV filter be installed in the system supply pipe. The impulse tube must be fitted on the flow pipe, e.g. via an MSV-F2 valve.
The tube must be flushed through before being fitted on the + connection of the ASV-PV automatic balancing valves.
ASV-PV must in addition be installed as determined by installation conditions.

Air vent
Release the knob to deair the valve ❷③ to ensure proper function.

Shut-off
Turning the ASV-PV knob fully clockwise will shut off the riser ❷①.

Pressure testing
Max. test pressure ..... 25 bar

Setting/adjustment
The ASV-PV valves are sold in four different Δp setting ranges. The valves are factory–set to a defined value as described on Factory presseting table on ❸①. Use the following procedure to set the desired differential presure: the setting on ASV-PV can be changed by turning the setting spindle ❷②.
Turning the spindle clockwise increases the setting; turning it counter clockwise reduces the setting.
If the setting is not known, turn the spindle fully clockwise. With this the setting on ASV-PV is at maximum value within setting range. Now turn the spindle a number of times (n) as described in ❸ until the required differential pressure setting is obtained.
Note: *Do not turn the spindle more than 20/40 turns as it will become disengaged.*

Starting
The system shall be ventilated at the highest point.

Note! *If this procedure is not followed, ASV-PV may become locked in closed position even if the valve is fully opened.*

Fault location
Check the following if the riser valve does not function correctly:

1. Is the flow direction through the valve correct?
2. Is the impulse tube fitted correctly and are any needle valves open?
3. Is the valve shut-off open?

Accessories
Impulse tube 2.5 m ❹①
Nipple for connecting impulse tube on other valve, pipeline G 1/16 - R ¼ ❹②
Adapter large ASV ❹③
(for use with MSV-F2, connected to measuring hole, it allows connection of impulse tube from ASV while measuring the pressure drop or flow)