

# Stainless steel heating circuit manifold

## ProCalida® VA 1C Vario-DP

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### Dynamic control valve – for automatic hydraulic balancing

#### Advantages – your benefits

- + Automatic control of water volume per heating circuit
- + Fast hydraulic balancing
- + Adjusted flow rate is not exceeded
- + High reserve due to very wide adjustment range up to 340 l/h
- + Geometry of valve insert provides protection against unwanted pollution
- + No additional line fittings required for balancing of the individual stations or floors



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#### Technical specifications manifolds, heating/cooling circuits

Heating circuits	2	3	4	5	6	7	8	9	10	11	12
Volume flow max. [m³/h]*	0.48	0.72	0.96	1.20	1.44	1.68	1.92	2.16	2.40	2.64	2.88
Kvs [m³/h]	2.65	3.95	4.96	6.04	6.82	7.77	8.29	9.08	9.52	10.02	10.42
Δp manifold [mbar]	33	33	37	40	45	47	54	57	64	69	76
Δp pipe e.g. [mbar]**	250	250	250	250	250	250	250	250	250	250	250
Δp total [mbar]	283	283	287	290	295	297	304	307	314	319	326
Heating capacity at 10 K max. [kW]	5.6	8.4	11.2	14.0	16.7	19.5	22.3	25.1	27.9	30.7	33.5
Heating capacity at 5 K max. [kW]	2.8	4.2	5.6	7.0	8.4	9.8	11.2	12.6	14.0	15.4	16.7

\* Maximum volume flow per heating circuit: 4 l/min = 0.24 m³/h.

\*\*Note: Use an appropriate pipe diameter.

Δp pipe at 0.24 m³/h approx.: Dim. 20 = 1.2 mbar/m; Dim. 17 = 3.1 mbar/m; Dim. 16 = 4.5 mbar/m.