

## Manifolds with dual controlled micrometric lockshield valves

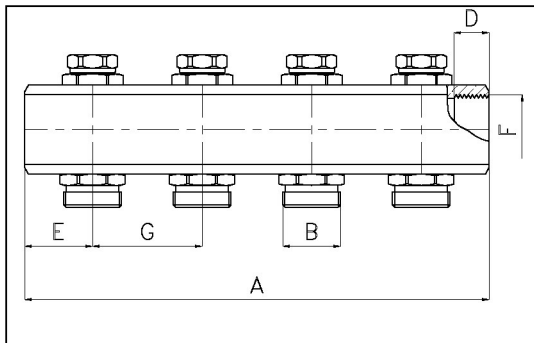
Manifolds with dual controlled micrometric lockshield valves are used for the distribution of hot water to the various outlets in an underfloor heating system.

Different combinations are available depending on the number of outlets and the size of the manifold and thread of the distribution pipe fitting.

All combinations are available in yellow or nickel-plated versions.

### Dimensional characteristics and available versions

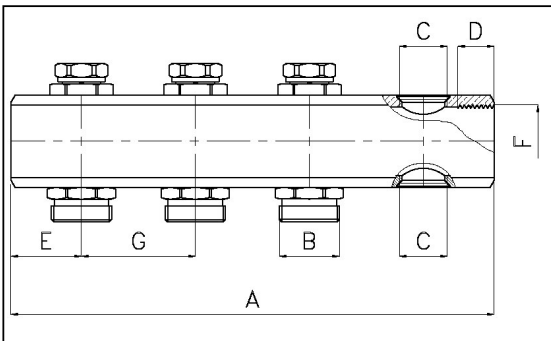
- **G 1" and G 1" 1/4 series**



Size	F = G 1"		F = G 1" 1/4	
	Available sizes		Available sizes	
B	M 24 x 1.5	G 3/4	M 24 x 1.5	G 3/4
D	17		19	
E	31		32	
G	50		50	

	N° of outlets	2	3	4	5	6	7	8	9	10	11	12	13
		F=G 1"	A	112	162	212	262	312	362	412	462	512	562
F=G 1" 1/4	A	114	164	214	264	314	364	414	464	514	564	614	664

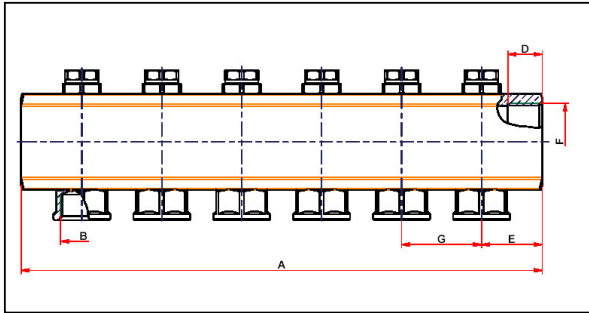
Versions with additional bleed valve and draining tap connections are also available. Dimensional characteristics and available versions are shown below.



Size	F = G 1"		F = G 1" 1/4	
	Available sizes		Available sizes	
B	M 24 x 1.5	G 3/4	M 24 x 1.5	G 3/4
C	G 1/2		G 1/2	
D	17		19	
E	31		32	
G	50		50	

	N° outlets	2	3	4	5	6	7	8	9	10	11	12
		F=G 1"	A	162	212	262	312	362	412	462	512	562
F=G 1" 1/4	A	164	214	264	314	364	414	464	514	564	614	664

▪ **G 1" 1/2 series**



Size	F = G 1" 1/2
B	G 3/4
D	21.5
E	38
G	50

	N° of outlets	2	3	4	5	6	7	8	9	10	11	12	13
F=G 1" 1/2	A	126	176	226	276	326	376	426	476	526	576	626	676

**Operational characteristics**

Maximum operating temperature: 120°C

Maximum operating pressure: 10 bar.

**Materials**

Manifold: CW617N

Brass lockshield valve components (headwork, stem, plug, grub screw and cap): CW617N

Manifold seat: CW617N

Lockshield valve seal: Fasit 202

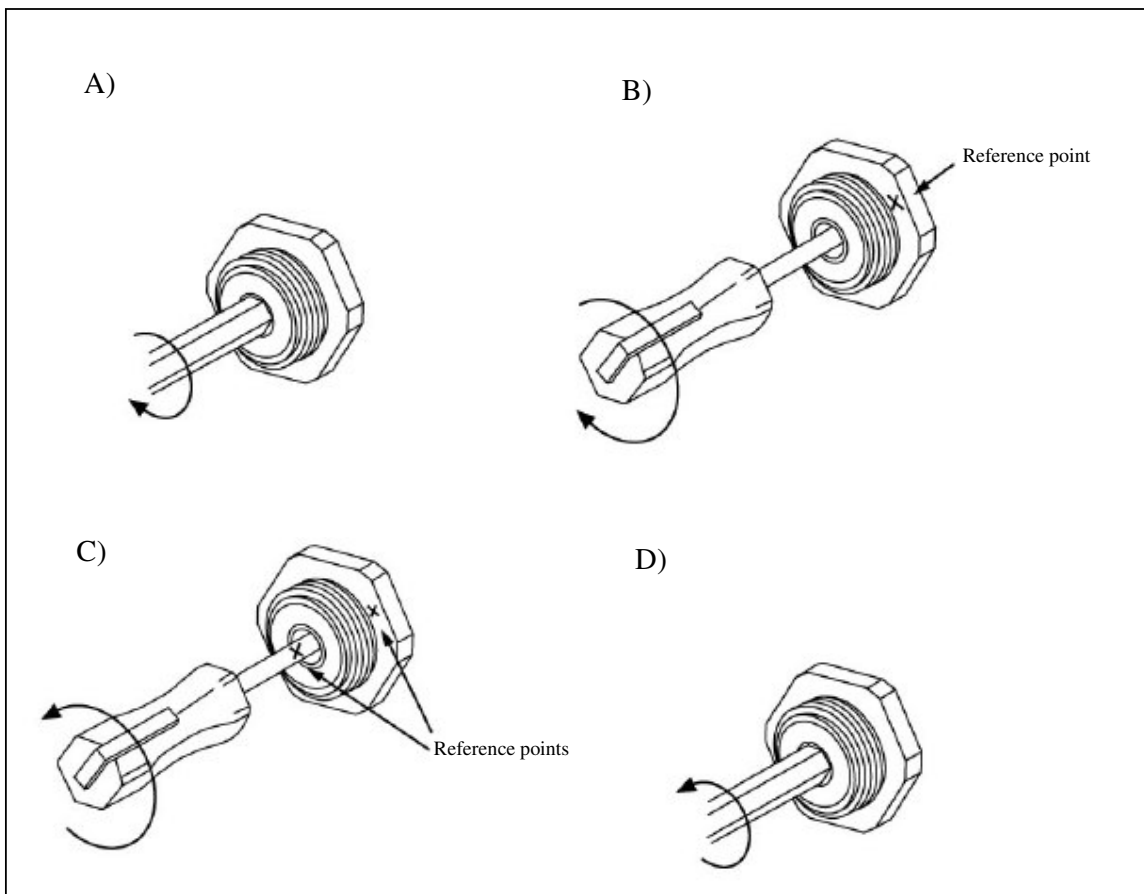
O-rings: Peroxide-cured EPDM

## Micrometric dual control

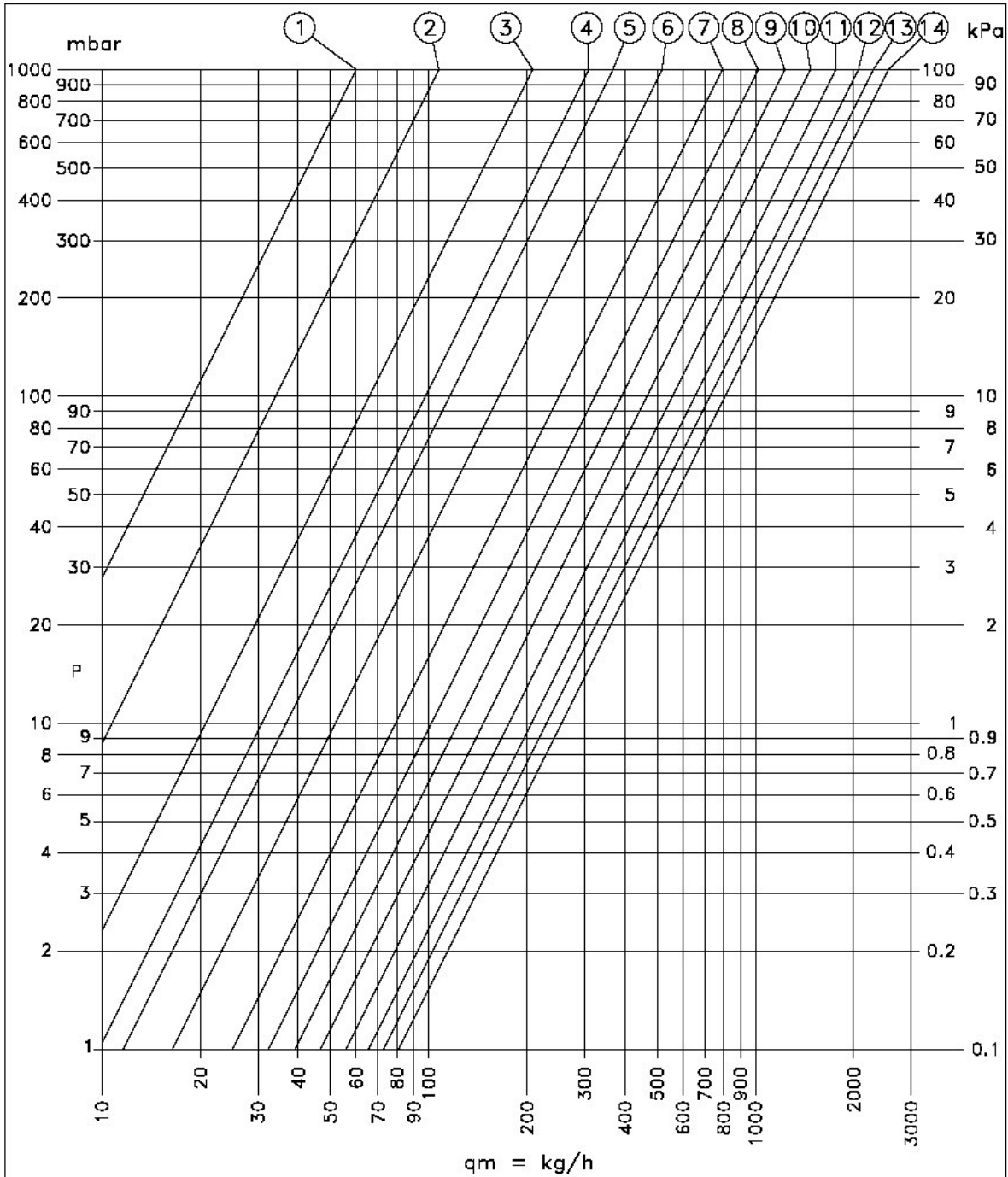
The control and balancing manifolds are fitted with micrometric dual control with position-memory if they close momentarily. For correct adjustment and balancing of the circuit, do the following:

- 1) Using a screwdriver, unscrew and remove the grub screw from the hexagonal groove
- 2) Close the headwork using a 5 mm Allen key (fig. A)
- 3) Tighten the grub screw firmly. Then mark the reference point for adjustment with an “x” (fig. B).
- 4) Line up the screwdriver with the “x”. Then open using a number of turns (fig. C) shown in the diagram  $\Delta p-Q$  on the following page (N.B. the number of turns refers to the number of turns of the micrometric grub screw).

Then open the headwork fully (fig. D). It has now been preset and will not change if it is repeatedly opened and closed with an Allen key.



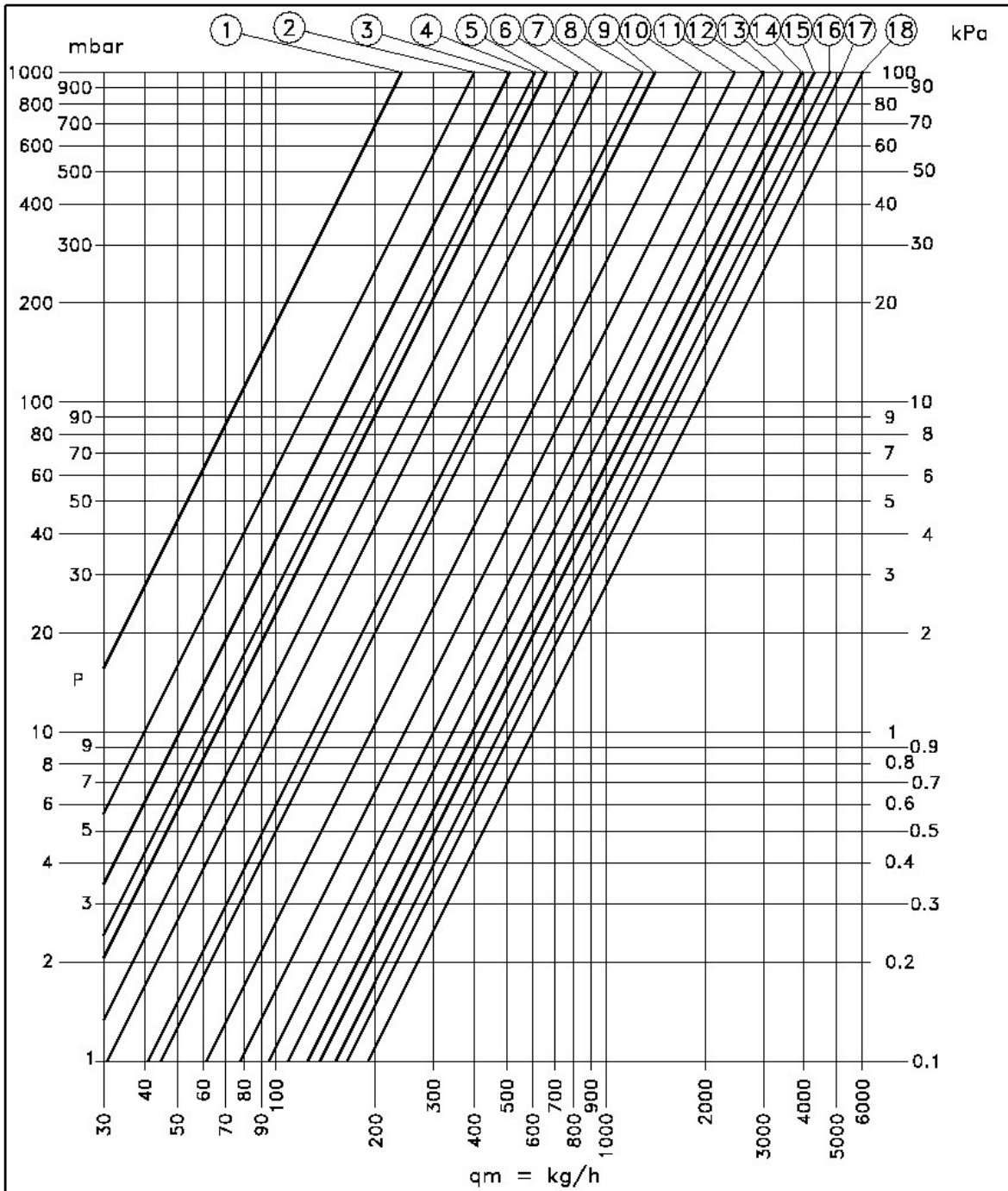
### Manifolds with dual controlled micrometric lockshield valves G 1" – G 1 1/4"



MANIFOLDS WITH DUAL CONTROLLED MICROMETRIC LOCKSHIELD VALVE

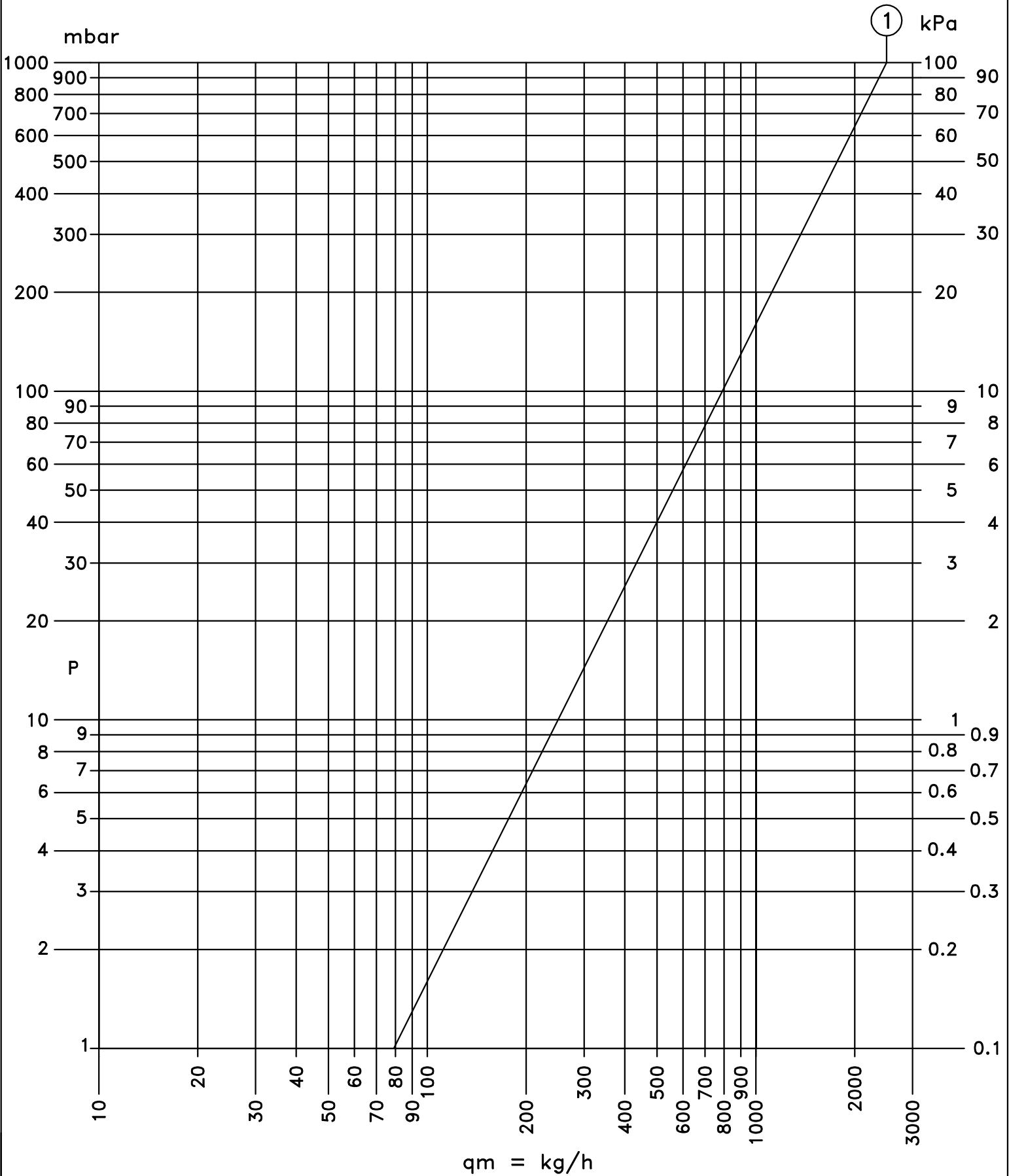
POS.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
ADJ. (TURNS)	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 3/4	3 1/2	5	6 1/4	7	7 1/2	8	T.A.
Kv	0.06	0.11	0.21	0.31	0.37	0.52	0.78	1.03	1.30	1.56	1.82	2.08	2.34	2.60

### Manifolds with dual controlled micrometric lockshield valves G 1" 1/2



COLLETTORI G 1" 1/2 CON DETENTORI A DOPPIA REGOLAZIONE MICROMETRICA  
 MANIFOLDS G 1" 1/2 WITH DUAL CONTROLLED MICROMETRIC LOCKSHIELD VALVE

POS.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
REGOL.(GIRI)	1½	1¾	2	2¼	2½	2¾	3	3¼	3½	4	4½	5	5½	6	6¾	7	7½	T.A.
Kv	0.24	0.40	0.51	0.61	0.66	0.82	0.97	1.28	1.41	1.94	2.46	3.00	3.43	3.95	4.30	4.80	5.20	6.00



$$Kv_s = 2.50$$

A