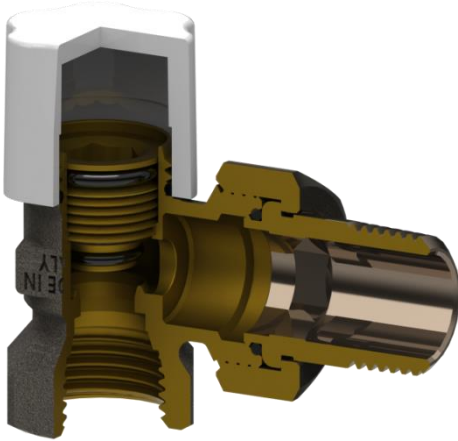


Function

TEKNA lockshield valves offer the best fluid dynamic characteristics. Their tightness is ensured by an O-ring and a flat gasket placed inside the plug. All lockshield valves may be adjusted by limiting the lift of the obturator.



Technical data

Max. working pressure:	10 bar
Max. differential pressure:	1 bar
Max. working temperature:	120 °C
Working fluids:	water in compliance with UNI 8065:2019

Materials

Valve body:	CW 617 N – DW UNI-EN 12165:2016
Obturator:	CW 614 N – DW UNI-EN 12164:2016
O-rings:	Peroxide cured EPDM
Plug:	RAL9016 white ABS

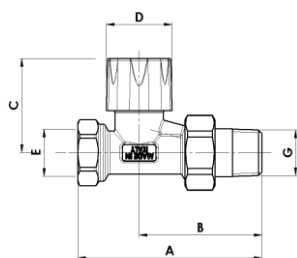
Surface treatment

Nickel-plating

Dimensional Drawings

DD 21

Straight regulating lockshield.
Connection for iron pipe

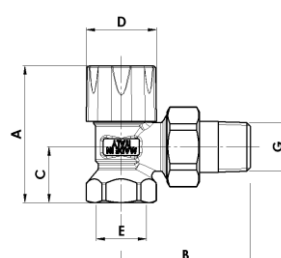


Code	Size	A	B	C	D	E
10261700	DN10 3/8	76	51	41	30	G3/8
10262100	DN15 1/2	83	55	42	30	G1/2
10262700	DN20 3/4	97	65	43	30	G3/4

Code	Size	F	G	H	L	M
10261700	DN10 3/8	-	R3/8	-	-	-
10262100	DN15 1/2	-	R1/2	-	-	-
10262700	DN20 3/4	-	R3/4	-	-	-

DS 22

Angle regulating lockshield.
Connection for iron pipe

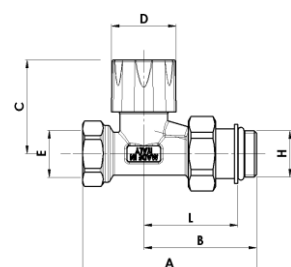


Code	Size	A	B	C	D	E
10061700	DN10 3/8	53	50	20	30	G3/8
10062100	DN15 1/2	57	54	23	30	G1/2
10062700	DN20 3/4	57	62	27	30	G3/4

Code	Size	F	G	H	L	M
10061700	DN10 3/8	-	R3/8	-	-	-
10062100	DN15 1/2	-	R1/2	-	-	-
10062700	DN20 3/4	-	R3/4	-	-	-

DD 25

Straight regulating lockshield with O-ring sealing.
Connection for iron pipe

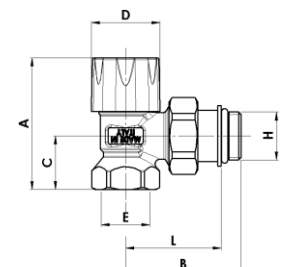


Code	Size	A	B	C	D	E
10262117	DN10 3/8	73	48	41	30	G3/8
10262103	DN15 1/2	78	51	42	30	G1/2
10262703	DN20 3/4	95	63	43	30	G3/4

Code	Size	F	G	H	L	M
10262117	DN10 3/8	-	-	G3/8	38	-
10262103	DN15 1/2	-	-	G1/2	40	-
10262703	DN20 3/4	-	-	G3/4	51	-

DS 26

Angle regulating lockshield with O-ring sealing.
Connection for iron pipe

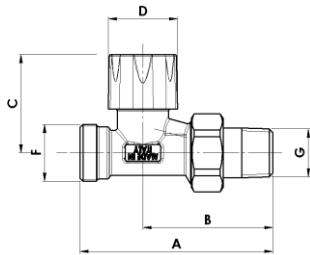


Code	Size	A	B	C	D	E
10062117	DN10 3/8	53	47	20	30	G3/8
10062103	DN15 1/2	57	50	23	30	G1/2
10062703	DN20 3/4	57	57	27	30	G3/4

Code	Size	F	G	H	L	M
10062117	DN10 3/8	-	-	G3/8	37	-
10062103	DN15 1/2	-	-	G1/2	39	-
10062703	DN20 3/4	-	-	G3/4	45	-

DD 31

Straight regulating lockshield.
Connection for copper and plastic pipe W24x19"

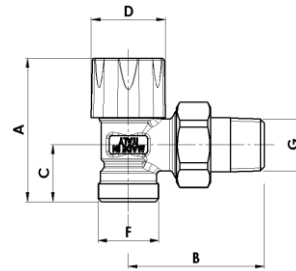


Code	Size	A	B	C	D	E
10361700	DN10 3/8	76	51	41	30	-
10362100	DN15 1/2	82	55	42	30	-

Code	Size	F	G	H	L	M
10361700	DN10 3/8	W24x19	R3/8	-	-	-
10362100	DN15 1/2	W24x19	R1/2	-	-	-

DS 32

Angle regulating lockshield.
Connection for copper and plastic pipe W24x19"

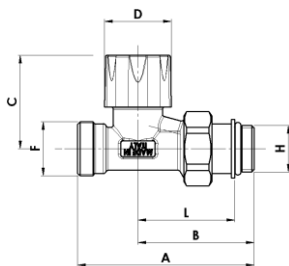


Code	Size	A	B	C	D	E
10161700	DN10 3/8	52	50	19	30	-
10162100	DN15 1/2	56	54	22	30	-

Code	Size	F	G	H	L	M
10161700	DN10 3/8	W24x19	R3/8	-	-	-
10162100	DN15 1/2	W24x19	R1/2	-	-	-

DD 38

Straight regulating lockshield with O-ring sealing.
Connection for copper and plastic pipe W24x19"

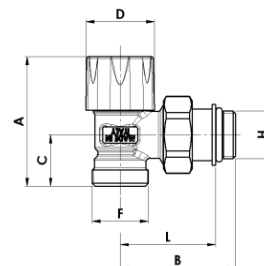


Code	Size	A	B	C	D	E
10362117	DN10 3/8	73	48	41	30	-
10362103	DN15 1/2	77	51	42	30	-

Code	Size	F	G	H	L	M
10362117	DN10 3/8	W24x19	-	G3/8	38	-
10362103	DN15 1/2	W24x19	-	G1/2	40	-

DS 39

Angle regulating lockshield with O-ring sealing.
Connection for copper and plastic pipe W24x19"



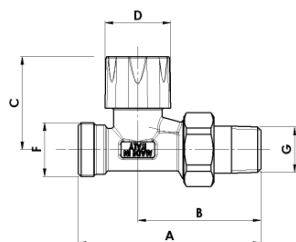
Code	Size	A	B	C	D	E
10162117	DN10 3/8	52	47	19	30	-
10162103	DN15 1/2	56	49	22	30	-

Code	Size	F	G	H	L	M
10162117	DN10 3/8	W24x19	-	G3/8	37	-
10162103	DN15 1/2	W24x19	-	G1/2	39	-

DD 31/A

Straight regulating lockshield.

Connection for copper and plastic pipe G3/4 Eurokonus



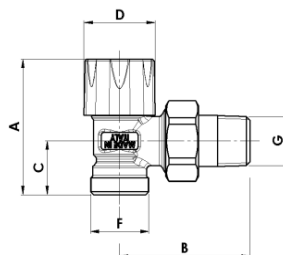
Code	Size	A	B	C	D	E
10362719	DN10 3/8	76	51	41	30	-
10362722	DN15 1/2	82	55	42	30	-

Code	Size	F	G	H	L	M
10362719	DN10 3/8	G3/4EK	R3/8	-	-	-
10362722	DN15 1/2	G3/4EK	R1/2	-	-	-

DS 32/A

Angle regulating lockshield.

Connection for copper and plastic pipe G3/4 Eurokonus



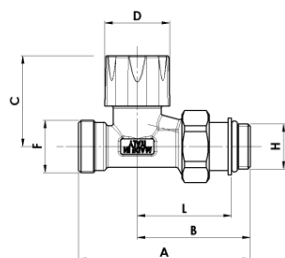
Code	Size	A	B	C	D	E
10162718	DN10 3/8	52	50	19	30	-
10162721	DN15 1/2	56	54	22	30	-

Code	Size	F	G	H	L	M
10162718	DN10 3/8	G3/4EK	R3/8	-	-	-
10162721	DN15 1/2	G3/4EK	R1/2	-	-	-

DD 38/A

Straight regulating lockshield with O-ring sealing.

Connection for copper and plastic pipe G3/4 Eurokonus



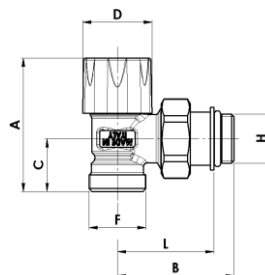
Code	Size	A	B	C	D	E
10362717	DN10 3/8	73	48	41	30	-
10362703	DN15 1/2	77	51	42	30	-

Code	Size	F	G	H	L	M
10362717	DN10 3/8	G3/4EK	-	G3/8	38	-
10362703	DN15 1/2	G3/4EK	-	G1/2	40	-

DS 39/A

Angle regulating lockshield with O-ring sealing.

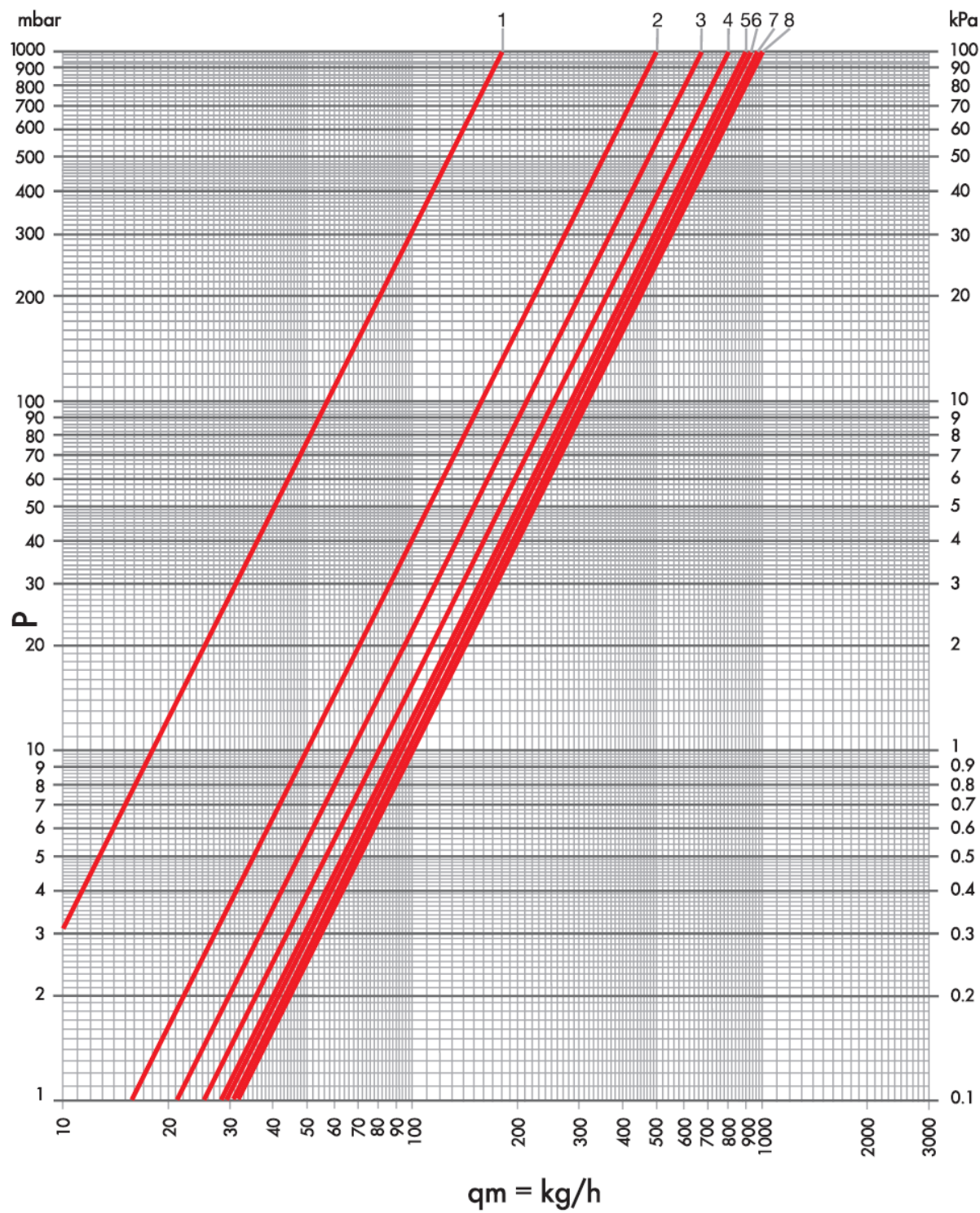
Connection for copper and plastic pipe G3/4 Eurokonus



Code	Size	A	B	C	D	E
10162717	DN10 3/8	52	47	19	30	-
10162703	DN15 1/2	56	49	22	30	-

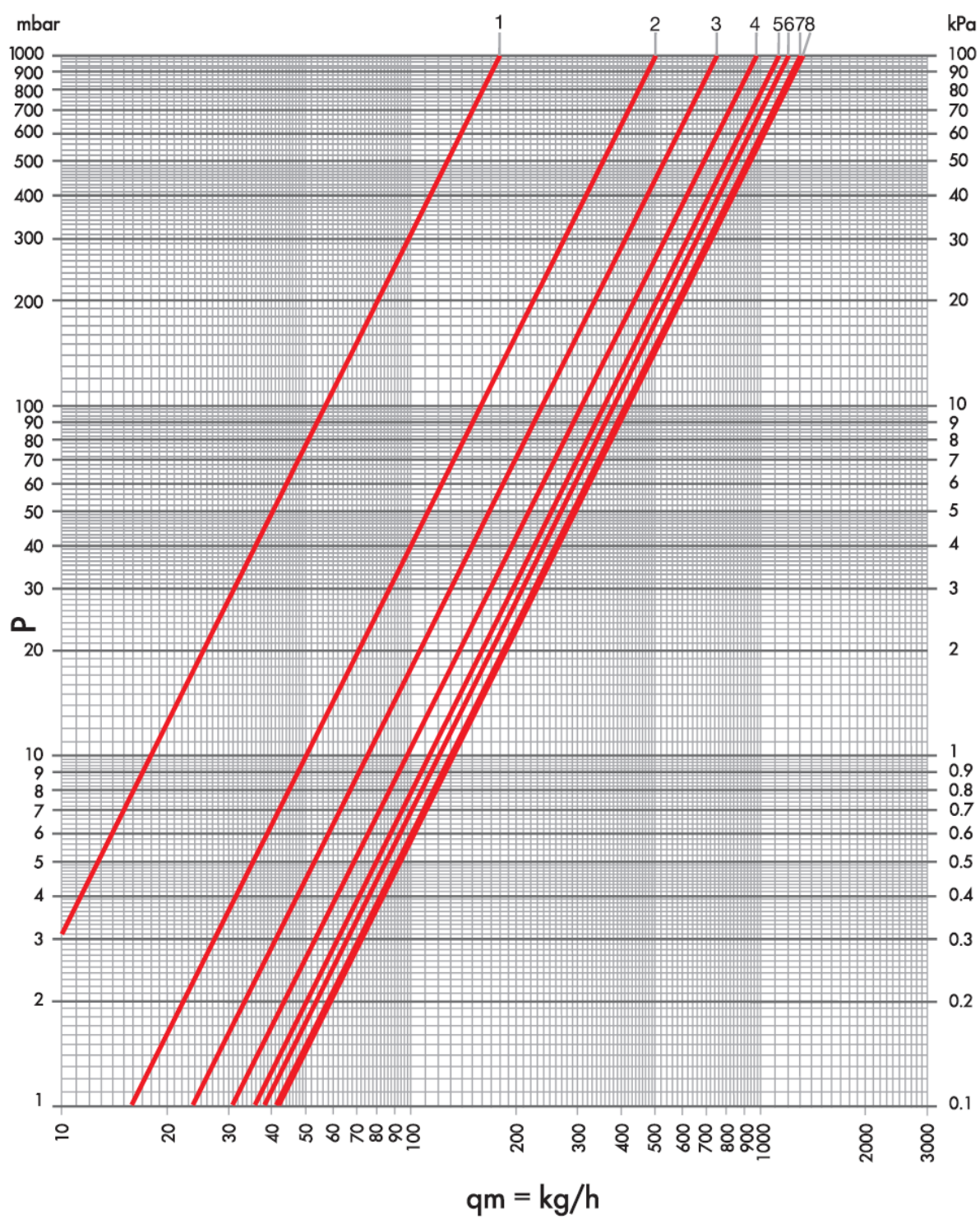
Code	Size	F	G	H	L	M
10162717	DN10 3/8	G3/4EK	-	G3/8	37	-
10162703	DN15 1/2	G3/4EK	-	G1/2	39	-

Hydraulic Characteristics



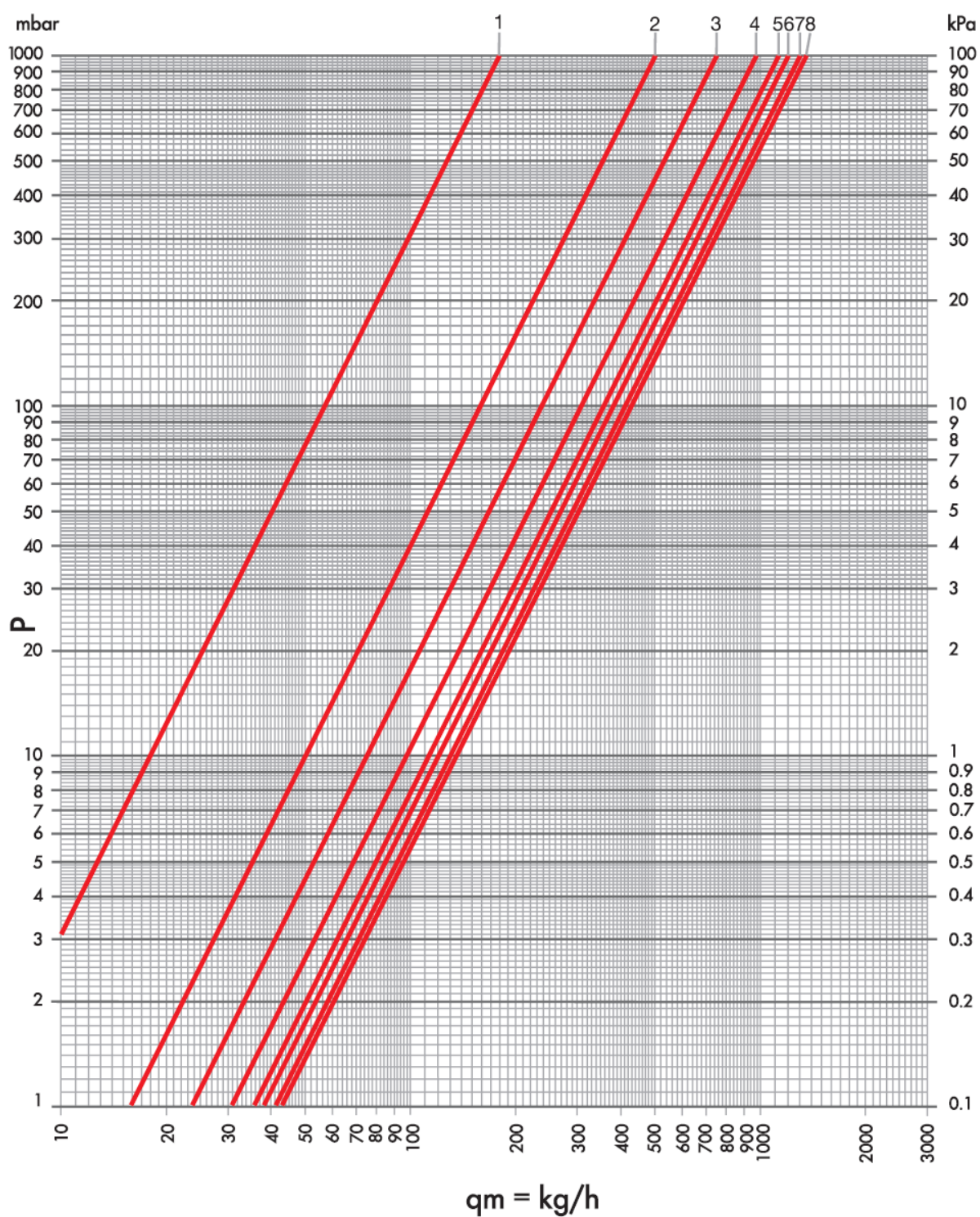
Pos.	Turns	Kv	Items
1	1	0.18	
2	1+1/2	0.50	
3	2	0.67	
4	2+1/2	0.80	DS 22 3/8; DS 26 3/8; DS 32 3/8; DS 39 3/8; DS 32/A 3/8; DS 39/A 3/8.
5	3	0.90	
6	3+1/2	0.93	
7	4	0.97	
8	All open	1.00	

Hydraulic Characteristics



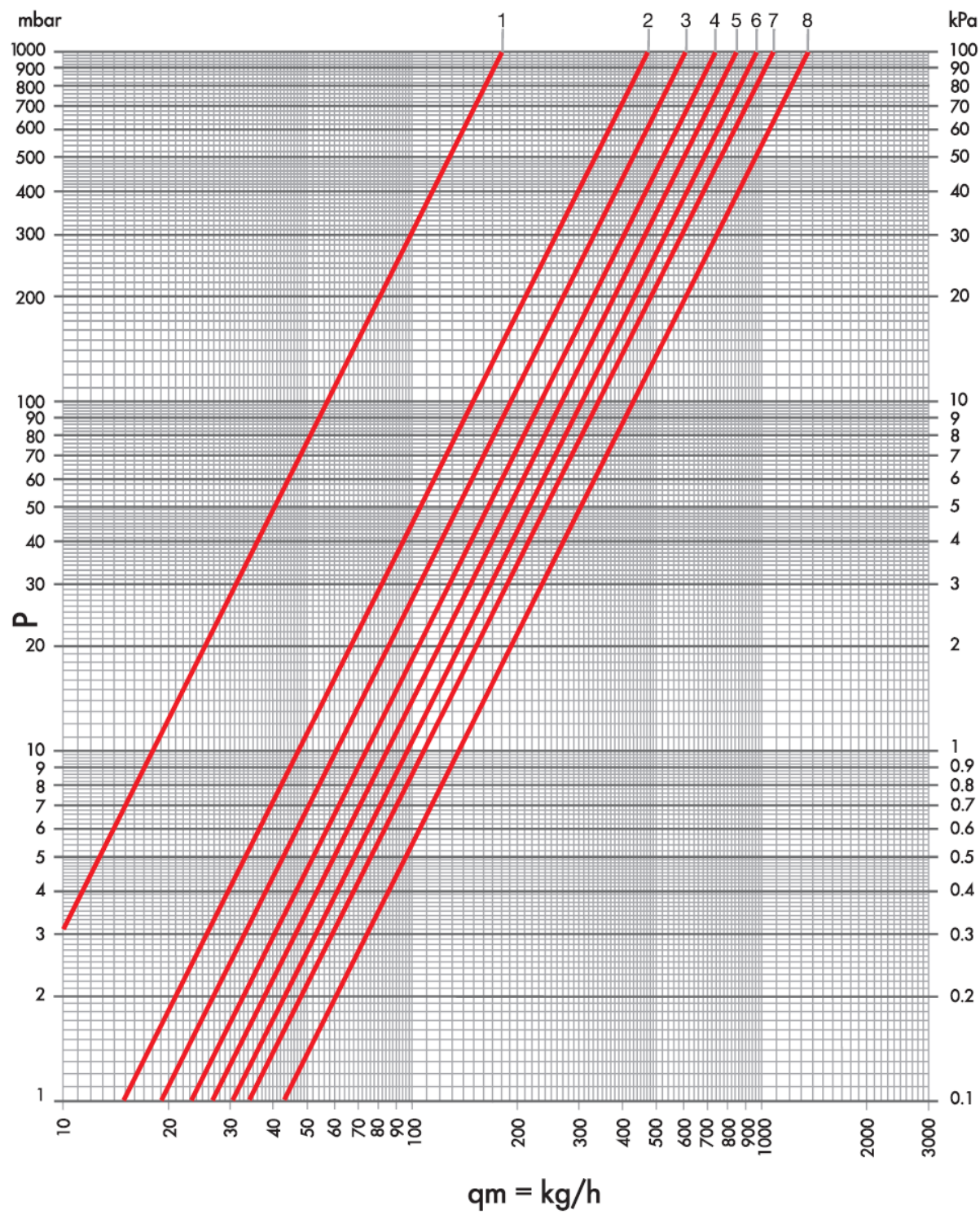
Pos.	Turns	Kv	Items
1	1	0.18	
2	1+1/2	0.50	
3	2	0.75	
4	2+1/2	0.97	DS 22 1/2; DS 26 1/2; DS 32 1/2; DS 39 1/2; DS 32/A 1/2; DS 39/A 1/2.
5	3	1.12	
6	3+1/2	1.20	
7	4	1.30	
8	All open	1.31	

Hydraulic Characteristics



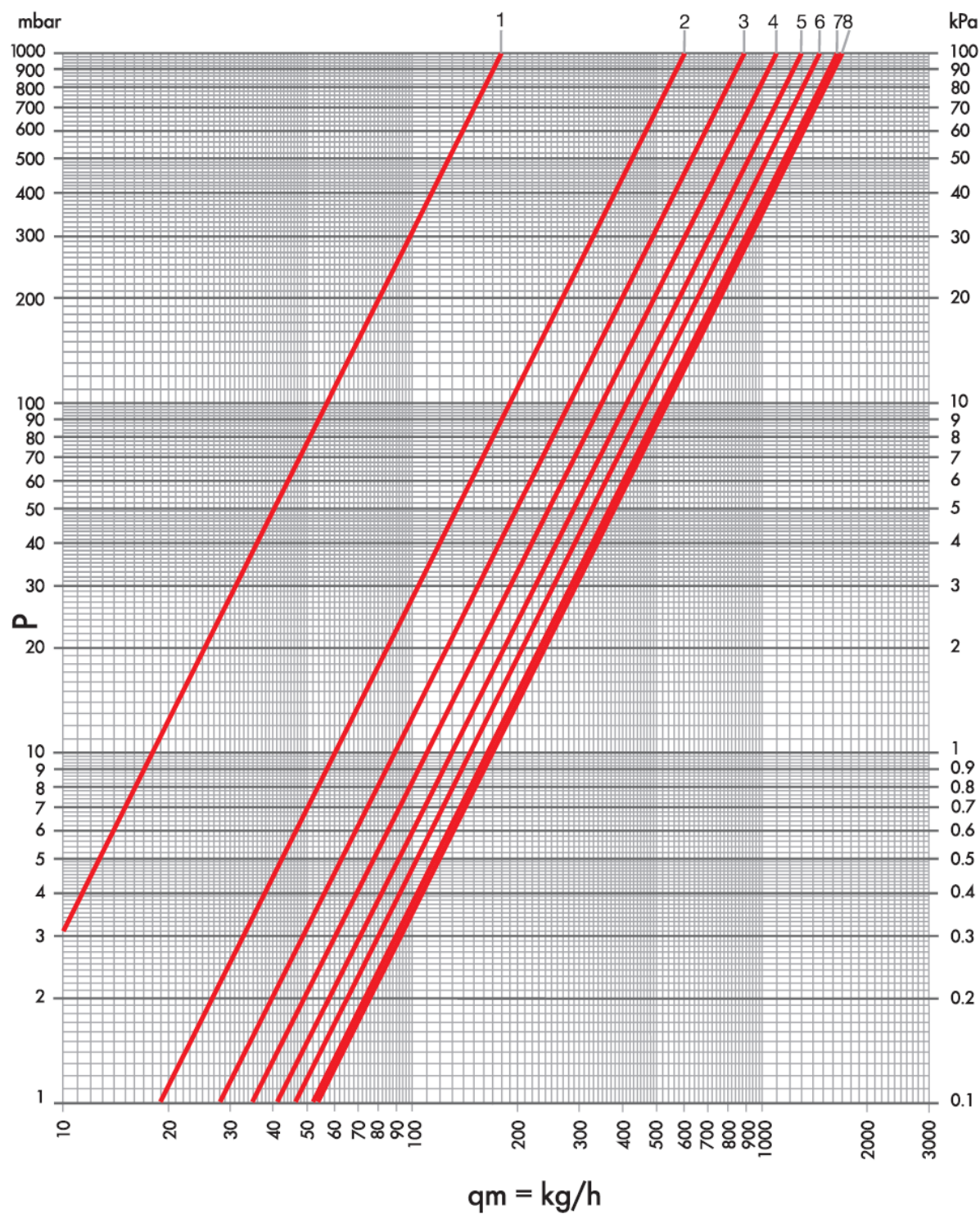
Pos.	Turns	Kv	Items
1	1	0.18	DS 22 3/4; DS 26 3/4.
2	1+1/2	0.50	
3	2	0.75	
4	2+1/2	0.97	
5	3	1.12	
6	3+1/2	1.20	
7	4	1.30	
8	All open	1.34	

Hydraulic Characteristics



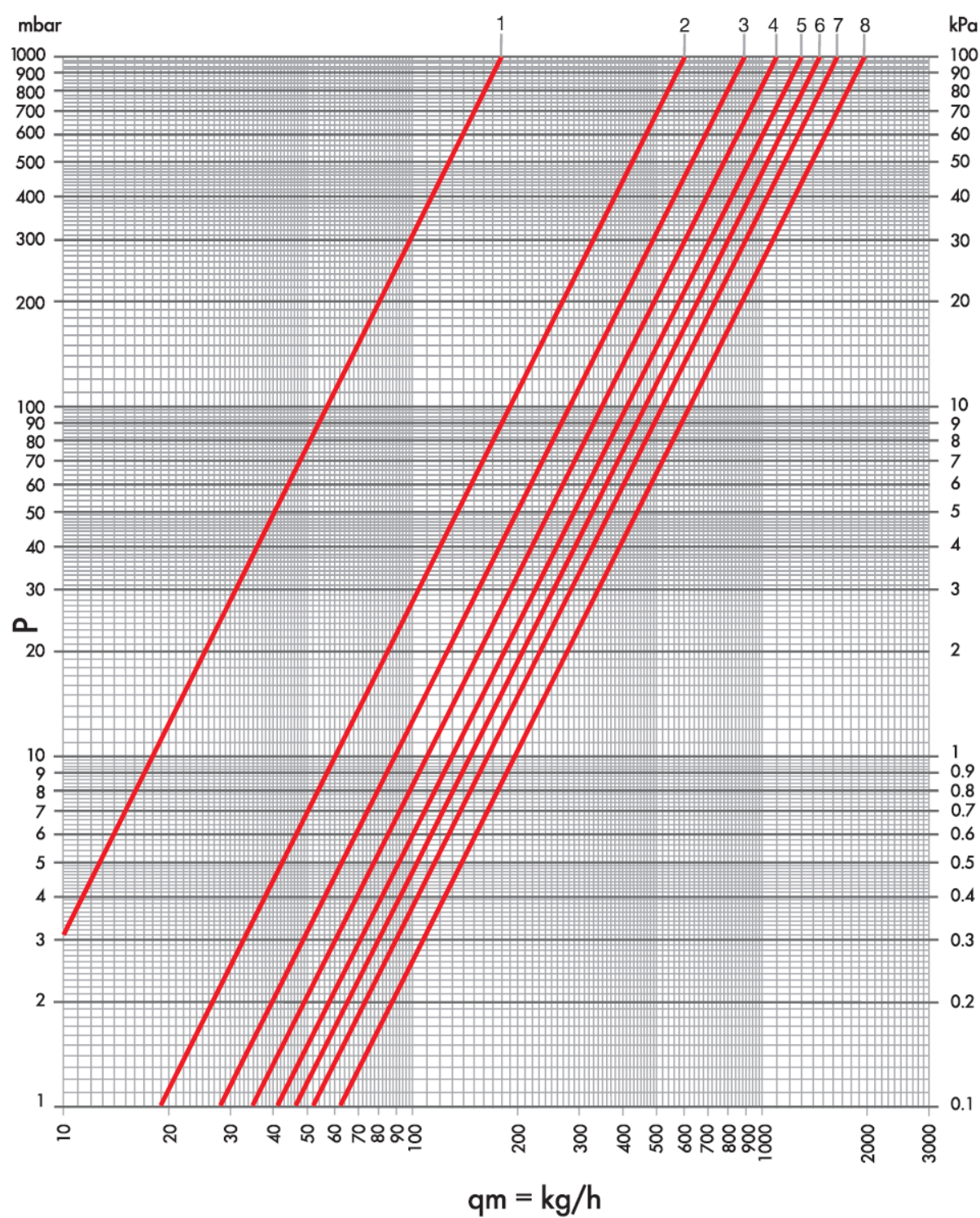
Pos.	Turns	Kv	Items
1	1	0.18	DD 21 3/8; DD 25 3/8; DD 31 3/8; DD 38 3/8; DD 31/A 3/8; DD 38/A 3/8.
2	1+1/2	0.47	
3	2	0.60	
4	2+1/2	0.73	
5	3	0.84	
6	3+1/2	0.95	
7	4	1.07	
8	All open	1.34	

Hydraulic Characteristics



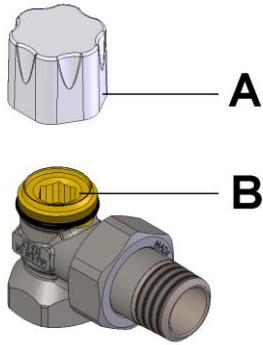
Pos.	Turns	Kv	Items
1	1	0.18	
2	1+1/2	0.60	
3	2	0.89	
4	2+1/2	1.10	DD 21 1/2; DD 25 1/2; DD 31 1/2; DD 38 1/2; DD 31/A 1/2; DD 38/A 1/2.
5	3	1.30	
6	3+1/2	1.46	
7	4	1.63	
8	All open	1.70	

Hydraulic Characteristics



Pos.	Turns	Kv	Items
1	1	0.18	
2	1+1/2	0.60	
3	2	0.89	
4	2+1/2	1.10	DD 21 3/4; DD 25 3/4.
5	3	1.30	
6	3+1/2	1.46	
7	4	1.63	
8	All open	1.96	

Working Instructions



- To adjust the flow rate:
 - Unscrew the ABS plug “A”;
 - Without forcing, use a 10 mm Allen key to close the obturator “B”;
 - Open the obturator for a number of turns as indicated on the flow rate diagram
 - Screw back the ABS plug “A”.
- **WARNING:** Once the system has been leak tested, please relieve the pressure. A differential pressure over 1 bar between the inlet and the outlet of the valve may cause the sealing O-ring to be expelled.

Item Specifications

DD 21

Straight regulating lockshield valve with ABS sealing plug. ISO 228/1 connection for iron pipe 3/8"F, 1/2"F and 3/4"F. Radiator connection with prefitted peroxide cured EPDM O-ring and DIN 2999 conical thread 3/8"M, 1/2"M and 3/4"M. Valve body in nickel-plated brass. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar, differential pressure 1 bar.

DS 22

Angle regulating lockshield valve with ABS sealing plug. ISO 228/1 connection for iron pipe 3/8"F, 1/2"F and 3/4"F. Radiator connection with prefitted peroxide cured EPDM O-ring and DIN 2999 conical thread 3/8"M, 1/2"M and 3/4"M. Valve body in nickel-plated brass. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar, differential pressure 1 bar.

DD 25

Straight regulating lockshield valve with ABS sealing plug. ISO 228/1 connection for iron pipe 3/8"F, 1/2"F and 3/4"F. Radiator connection with prefitted peroxide cured EPDM O-ring, 3/8"M and 1/2"M cylindrical thread and and O-ring towards the radiator. Valve body in nickel-plated brass. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar, differential pressure 1 bar.

DS 26

Angle regulating lockshield valve with ABS sealing plug. ISO 228/1 connection for iron pipe 3/8"F, 1/2"F and 3/4"F. Radiator connection with prefitted peroxide cured EPDM O-ring, 3/8"M and 1/2"M cylindrical thread and and O-ring towards the radiator. Valve body in nickel-plated brass. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar, differential pressure 1 bar.

DD 31

Straight regulating lockshield valve with ABS sealing plug. W24x19 connection for copper, plastic and multilayer pipe. Radiator connection with prefitted peroxide cured EPDM O-ring and DIN 2999 conical thread 3/8"M and 1/2"M. Valve body in nickel-plated brass. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar, differential pressure 1 bar.

DS 32

Angle regulating lockshield valve with ABS sealing plug. W24x19 connection for copper, plastic and multilayer pipe. Radiator connection with prefitted peroxide cured EPDM O-ring and DIN 2999 conical thread 3/8"M and 1/2"M. Valve body in nickel-plated brass. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar, differential pressure 1 bar.

DD 38

Straight regulating lockshield valve with ABS sealing plug. W24x19 connection for copper, plastic and multilayer pipe. 3/8"M and 1/2"M radiator connection with prefitted peroxide cured EPDM O-ring, cylindrical thread and O-ring towards the radiator. Valve body in nickel-plated brass. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar, differential pressure 1 bar.

DS 39

Angle regulating lockshield valve with ABS sealing plug. W24x19 connection for copper, plastic and multilayer pipe. 3/8"M and 1/2"M radiator connection with prefitted peroxide cured EPDM O-ring, cylindrical thread and O-ring towards the radiator. Valve body in nickel-plated brass. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar, differential pressure 1 bar.

DD 31/A

Straight regulating lockshield valve with ABS sealing plug. 3/4"M EK connection for copper, plastic and multilayer pipe. 1/2"M radiator connection with prefitted peroxide cured EPDM O-ring, DIN 2999 conical thread. Valve body in nickel-plated brass. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar, differential pressure 1 bar.

DS 32/A

Angle regulating lockshield valve with ABS sealing plug. 3/4"M EK connection for copper, plastic and multilayer pipe. 1/2"M radiator connection with prefitted peroxide cured EPDM O-ring, DIN 2999 conical thread. Valve body in nickel-plated brass. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar, differential pressure 1 bar.

DD 38/A

Straight regulating lockshield valve with ABS sealing plug. 3/4"M EK connection for copper, plastic and multilayer pipe. 3/8"M and 1/2"M radiator connection with prefitted peroxide cured EPDM O-ring, cylindrical thread and O-ring towards the radiator. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar,

differential pressure 1 bar.

DS 39/A

Angle regulating lockshield valve with ABS sealing plug. 3/4" M EK connection for copper, plastic and multilayer pipe. 3/8" M and 1/2" M radiator connection with prefitted peroxide cured EPDM O-ring, cylindrical thread and O-ring towards the radiator. Double EPDM O-ring sealing on the obturator and the body. Max. working temp. 120 °C, max. working pressure 10 bar, differential pressure 1 bar.



Luxor S.p.A.

Sede amministrativa, stabilimento e uffici commerciali:

Administrative office, factory and commercial office:

Tel.: 030-9961161 – Fax: 030-9961165

info@luxor.it – www.luxor.it

via Madonnina, 94 – 25018 Montichiari - (BS)

*Luxor si riserva il diritto di apportare miglioramenti e modifiche ai prodotti descritti ed ai relativi dati tecnici in qualsiasi momento e senza preavviso
Luxor reserves the right to ameliorate and modify the products described above and their technical data at any time and without notice*