

# K, KAX & KB TYPE

## FLOW RATE

FLOW PRESSURE	FLOW RATE FOR NOMINAL INCH (MM) VALVE SIZE AT STATED FLOW PRESSURE																			
	K TYPE		K, KAX & KB TYPE								KB TYPE		K, KAX & KB TYPE		K, KAX & KB TYPE (K & KAX TYPE special order only)					
	1/2" 15mm	v15	3/4" 20mm	v22	1" 25mm	v28	1 1/4" 32mm	v35	1 1/2" SF 40mm	v42	1 1/2" HF 40mm	v42	2" SF 50mm	v54	2" HF 50mm	v54	2 1/2" SF 65mm	v67	3" RB 80mm	v76.1
BAR	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s	l/s	m/s
0.05	0.06	0.41	0.09	0.28	0.18	0.33	0.27	0.33	0.27	0.22	0.64	0.52	0.67	0.32	1.21	0.58	1.27	0.39	1.34	0.31
0.10	0.08	0.55	0.13	0.39	0.25	0.47	0.38	0.46	0.38	0.31	0.90	0.73	0.95	0.45	1.71	0.62	1.80	0.55	1.90	0.45
0.25	0.13	0.91	0.20	0.62	0.40	0.74	0.61	0.73	0.61	0.49	1.43	1.16	1.50	0.72	2.70	1.29	2.85	0.87	3.00	0.70
0.50	0.19	1.29	0.28	0.65	0.56	1.04	0.86	1.03	0.86	0.70	2.02	1.64	2.12	1.02	3.82	1.63	4.03	1.23	4.25	1.00
1.00	0.26	1.82	0.40	1.24	0.79	1.47	1.22	1.46	1.22	0.99	2.85	2.32	3.00	1.44	5.40	2.58	5.70	1.74	6.00	1.41
1.50	0.32	2.23	0.49	1.52	0.97	1.60	1.49	1.79	1.49	1.21	3.49	2.64	3.68	1.76	6.62	3.17	6.98	2.13	7.35	1.72
2.00	0.37	2.58	0.56	1.75	1.12	2.08	1.72	2.06	1.72	1.40	4.03	3.28	4.25	2.03	7.64	5.65	8.06	2.46	8.49	1.99
3.00	0.46	3.16	0.69	2.15	1.38	2.55	2.11	2.52	2.11	1.71	4.94	4.01	5.20	2.49	9.36	4.46	9.88	3.01	10.40	2.44
4.00	0.53	3.64	0.79	2.48	1.59	2.95	2.43	2.92	2.43	1.98	5.70	4.63	6.00	2.87	10.81	5.17	11.40	3.48	12.01	2.82
5.00	0.59	4.07	0.89	2.77	1.78	3.29	2.72	3.26	2.72	2.21	6.38	5.16	6.71	3.21	12.08	5.76	12.75	3.69	13.43	3.15
6.00	0.65	4.46	0.97	3.04	1.95	3.61	2.98	3.57	2.98	2.42	6.99	5.67	7.35	3.52	13.24	6.33	13.97	4.26	14.71	3.45
8.00	0.75	5.15	1.12	3.51	2.25	4.17	3.44	4.12	3.44	2.79	8.07	6.55	8.49	4.06	15.29	7.31	16.13	4.92	16.98	3.96
10.00	0.84	5.76	1.26	3.92	2.51	4.66	3.85	4.61	3.85	3.12	9.02	7.32	9.49	4.54	17.09	8.17	18.03	5.50	18.99	4.45
<b>Kv M<sup>3</sup>/HR</b>	<b>0.95</b>		<b>1.43</b>		<b>2.86</b>		<b>4.38</b>		<b>4.38</b>		<b>10.27</b>		<b>10.81</b>		<b>19.46</b>		<b>20.53</b>		<b>21.62</b>	

**KEY** **V** Velocity of water flowing in corresponding copper pipe (mm) at stated flow rate ■ Velocity < 2m/s ■ Velocity > 2m/s < 3m/s ■ Velocity > 3m/s  
**SF** Standard Flow **HF** High Flow (recommended for pumped systems) **RB** Reduced Bore

### CONVERSION FACTORS

Litres per second to cubic metres per hour x 3.6

Litres per second to cubic metres per minute x 0.06

Litres per second to gallons per hour x 791.9

Litres per second to gallons per minute x 13.2

#### PRESSURE

Bar to pounds per square inch x 14.5

Bar to Pascal x 100,000

Bar to metres x 10.2

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