



Multical 402

This heat meter, when used with the sub-assemblies and configured as detailed below, has been independently verified by Kiwa as suitably compliant with the Measuring Instruments Directive for the purposes of claiming the Renewable Heat Incentive.

Manufacturer:
Diehl Metering Group

MID Class:
Class 2

Minimum pipe size:
G3/4 B (R1/2)

Maximum pipe size
G2 B" (R1 1/2)

Location of flow sensor
Flow or Return

Heat conveying liquid
Water

Contact Information

Kamstrup Instrumentation Ltd
Wellesley House
96 East Street
Sudbury
C010 2TP
UK

Telephone:
01787 319081

Website:
www.kamstrup.com

Email:
info@kamstrup.co.uk

Meter Subassemblies

Part number	Pipe size	Max flow rate q_s (m ³ /h)	Nominal flow rate q_p (m ³ /h)	Min flow rate q_i (m ³ /h)	Max temp θ_{max} (°C)	Min temp θ_{min} (°C)	Min temp diff $\Delta\theta_{max}$ (°C)
402xxxxx1xxx	G3/4 B (R1/2)	1.2	0.6	0.006	130	15	3
402xxxxx3xxx	G1 B (R3/4)	1.2	0.6	0.006	130	15	3
402xxxxx4xxx	G3/4 B (R1/2)	3	1.5	0.01	130	15	3
402xxxxx5xxx	G3/4 B (R1/2)	3	1.5	0.01	130	15	3
402xxxxx7xxx	G1 B (R3/4)	3	1.5	0.01	130	15	3
402xxxxx9xxx	G1 B (R3/4)	3	1.5	0.01	130	15	3
402xxxxxAxxx	G1 B (R3/4)	5	2.5	0.02	130	15	3
402xxxxxBxxx	G1 B (R3/4)	5	2.5	0.02	130	15	3
402xxxxxDxxx	G5/4 B (R1)	7	3.5	0.03	130	15	3
402xxxxxFxxx	G5/4 B (R1)	12	6	0.06	130	15	3
402xxxxxGxxx	DN25	12	6	0.06	130	15	3
402xxxxxHxxx	G2 B (R1 1/2)	20	10	0.1	130	15	3
402xxxxxJxxx	DN40	20	10	0.1	130	15	3
402xxxxx1Kxxx	DN50	30	15	0.15	130	15	3



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Additional notes

Recommended that MC402 coupled with the following temperature sensors:

40200000A0000 - Pocket sensors Pt500 1.5m length

40200000B0000 - Pocket sensors Pt500 3.0m length

40200000F0000 - Direct sensors Pt500 1.5m length

40200000G0000 - Direct sensors Pt500 3.0m length