



declaration of compliance

EN10204:2004 type 2.2 for MX-Series Flow Meters

Macnaught Pty Limited
41 – 49 Henderson Street
Turrella NSW 2205 Sydney Australia
Postal Address PO Box 90
Arncliffe NSW Sydney Australia

ABN 66 000 075 785

T: + 61 2 9567 0401

F: + 61 2 9597 7773

W: www.macnaught.com.au

Macnaught Pty. Ltd. conducts a quality assurance system, certified as complying with AS/NZS ISO 9001:2008 by an accredited certification body.

This declaration of compliance (in accordance with EN 10204:2004 type 2.2) acknowledges that the MX- series flow meters, conform to all manufacturing specifications, assembly and test requirements set out in the relevant procedures and work instructions.

Hard copies of the following tests results/parameters are provided with each MX- series flow meter.

- K-Factor coefficient
- Hydraulic pressure drop
- Flow rate
- Accuracy of reading (%)
- Fluid temperature

Authorised signatory for and on behalf of Macnaught Pty Ltd

A handwritten signature in black ink, appearing to be 'W. Rose', written over a horizontal dotted line.

Signatory

Quality Assurance Manager

Title

24/03/2017

Date

MATERIAL DECLARATIONS

316L Stainless Steel

	C	Si	Mn	P	S	Cr	Ni	Mo	N	Fe
	%	%	%	%	%	%	%	%	%	%
Min	-	-	-	-	-	16.0	10.0	2.0	-	-
Max	0.03	1.0	2.0	0.045	0.03	18.0	14.0	3.0	0.10	Rem.

AS2074 H6DM (Chill cast) Stainless Steel

(1) In free machining grades the Sulfur may be as high as 0.50%
(2) In free machining grades additional elements may be present

	C	Si	Mn	P	S ⁽¹⁾	Cr	Mo	Ni	Nb	Cu	V	N	Al	Fe
	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Min	-	-	-	-	-	17.0	2.0	9.0	-	-	-	-	-	-
Max	0.03	1.5	2.0	0.04	0.04	21.0	3.0	13.0	-	-	-	-	-	Rem.

S1214 Bright Carbon Steel *S12L14

	C	Si	Mn	P	S	Pb*
	%	%	%	%	%	%
Min	-	-	0.8	0.04	0.25	0.15
Max	0.15	0.10	1.2	0.09	0.35	0.25

IC316F Stainless Steel*

*Investment Casting Institute

	C	Si	Mn	P	Cr	Ni	Mo	S	Fe
	%	%	%	%	%	%	%	%	%
Min	-	-	-	-	18.0	9.0	2.0	-	-
Max	0.08	2.0	1.50	0.40	21.0	12.0	3.0	0.04	Rem.

CC601 T6 Aluminium Castings

	Si	Fe	Cu	Mn	Mg	Zn	Ti	Al
	%	%	%	%	%	%	%	%
Min	6.5	-	-	-	0.25	-	-	-
Max	7.5	0.2	0.05	0.05	0.35	0.05	0.2	Rem.

6061 T6 Aluminium

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
	%	%	%	%	%	%	%	%	%
Min	0.4	-	0.15	-	0.8	0.04	-	-	-
Max	0.8	0.70	0.40	0.15	1.2	0.35	0.25	0.15	Rem.

EZDA 3 Zinc Die Casting Alloy

	Al	Mg	Cu	Pb	Fe	Cd	Sn	Si	Ni	In	Ti	Zn
	%	%	%	%	%	%	%	%	%	%	%	%
Min	3.9	0.04	-	-	-	-	-	-	-	-	-	-
Max	4.2	0.05	0.03	0.003	0.02	0.002	0.001	0.02	0.001	0.0005	0.001	Rem.

CA313 Aluminium Alloy - Castings

	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Sn	Pb	Ti	Al
	%	%	%	%	%	%	%	%	%	%	%	%
Min	7.5	-	3.0	-	-	-	-	-	-	-	-	-
Max	9.5	1.3	4.0	0.5	0.3	0.1	0.5	3.0	0.25	0.35	0.2	Rem.

385 Brass

	Cu	Pb	Zn
	%	%	%
Min	56.0	2.5	-
Max	60.0	4.5	Rem.

C83600 Bronze

(1) Minimum value may be calculated as copper and nickel.

(2) Nickel value includes cobalt

	Cu ⁽¹⁾	Al	Sb	Fe	Pb	Ni ⁽²⁾	P	Si	S	Sn	Zn
	%	%	%	%	%	%	%	%	%	%	%
Min	84.0	-	-	-	4.0	-	-	-	-	4.0	4.0
Max	86.0	0.005	0.25	0.3	6.0	1.0	0.05	0.005	0.08	6.0	6.0

Element definitions

Al	C	Cd	Cr	Cu	Fe	In	Mg	Mn	Mo	N	Nb	Ni	P	Pb	S	Sb	Si	Sn	Ti	V	Zn
Aluminium	Carbon	Cadmium	Chromium	Copper	Iron	Indium	Magnesium	Manganese	Molybdenum	Nitrogen	Niobium	Nickel	Phosphorus	Lead	Sulfur	Antimony	Silicon	Tin	Titanium	Vanadium	Zinc

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