

AUSSIE SMART PUMPS

FERTILISER COMPATIBILITY GUIDE

April 24

NOTE: The following Chemical Compatibility Chart is only to be used as a guide to selecting the proper pump for your specific application.

To the best of our knowledge, the information contained herein is correct. However, we do not assume any liability whatsoever for the accuracy or inaccuracy, or the completeness, or incompleteness, of the information contained herein.

Final determination of the suitability of any information or material for the use intended, or the manner of use, is the sole responsibility of the user.

Chemicals in Fertilisers	METALS			PLASTICS			ELASTOMERS			MECH. SEALS		
	Aluminium	Cast/ Ductile Iron	316 Stainless Steel	Polyester (FRP)	Polypropylene (FRP)	Ryton (PPS)	Buna Nitrile	EPDM	Viton	Carbon	Carbon Ceramic	Siliconized Graphite
Ratings - Chemical Effect: A: Excellent B: Good C: Fair D: Severe X: Insufficient data 1: Satisfactory to 22°C (72°F) 2: Satisfactory to 48°C (120°F)												
AMMONIA 10%	A2	A	A	B	A	A1	A	A	D	A	A	A
AMMONIUM NITRATE	C	A	A	C	A	A	B	A	A	A	A	A
AMMONIUM PHOSPHATE - DIBASIC	B1	D	C	C	A	A	A	A	A	A	A	A
AMMONIUM PHOSPHATE - MONOBASIC	C	D	C	C	A	A	A	A	A	A	A	A
AMMONIUM PHOSPHATE - TRIBASIC	C	D	B	B	A	X	A	A	A	A	A	A
AMMONIUM SULFATE	A1	D	A1	A	A	A	A	A	C	A	A	A
CALCIUM CHLORIDE	C	A	A1	A	A	A	A	A	A	A	A	A
CALCIUM OXIDE (LIME)	C	A	A	A	A	A	A	A	A	A	A	A
CALCIUM NITRATE	B1	B	B2	A	A	A2	A	A	A	A	A	A
CALCIUM PHOSPHATE	C	A	B	A	A	A	A	A	A	A	A	A
CALCIUM SULFATE	B	C	A1	A	A	A	A	A2	A	A	A	A
COPPER CHLORIDE	D	D	D	A	A	A	A	A	A	A	A	A
COPPER NITRATE	D	D	A2	A	A	A	A	A	A	A	A	A
COPPER SULFATE	D	D	A	A	A	A	A	A	A	A	A	A
HYDROGEN SULFIDE (AQUA)	B	D	A	A	A1	A	B	B	D	A	A	A
HYDROGEN SULFIDE (DRY)	C	D	A	A	A1	A	C	B	D	A	A	A
MAGNESIUM SULFATE	C1	A	B2	A	A	A2	A2	A	A	A	A	A
MAGNESIUM CARBONATE	C	B	B	A	A	X	A	A	A	A	A	A
MAGNESIUM CHLORIDE	D	D	A1	A	A2	A	A	A	A	A	A	A
MAGNESIUM HYDROXIDE	C1	B	A1	A	A2	A	A2	A	A	A	A	A
MAGNESIUM NITRATE	C	D	B	A	A	A	A	A	A	A	A	A
MAGNESIUM OXIDE	C	A1	A	A	A	X	A	A	A	A	A	A
MANGANESE SULFATE	B	B	B2	X	A	A2	A2	A2	A	A	A	A

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NITRIC ACID 10%	B	D	A	A1	A	A	D	A	A	A	A	A
NITRIC ACID 20%	D	D	A	C	B	A	D	A1	A1	A	A	A
NITRIC ACID 40%	D	D	A	C	C	A1	D	A1	B1	A	A	A
PHOSPHORIC ACID, 0-80%	D	D	A	B	A1	A	A1	A	A	A	A	A
PHOSPHORIC ACID, 80-100%	D	D	B	A1	A	A	C	A	A	A	A	A
PHOSPHORUS	B	B	A2	X	A	X	X	A	A	A	A	A
POTASSIUM CARBONATE (POTASH)	D	B	B	A	A	A	A	A	B	A	A	A
POTASSIUM HYDROXIDE (CAUSTIC POTASH)	D	B1	A1	C	A	A	B1	A2	B	A	A	A
POTASSIUM NITRATE	B	C	B	A	A	A	A	A	A	A	A	A
POTASSIUM PERMANGANATE	B1	C	B	A	A1	A	B	A	A	A	A	A
POTASSIUM SULFATE	C	C	A1	A	A	A	A	A1	A	A	A	A
SODIUM ACETATE	B	D	B	A	A	A	C	A1	D	A	A	A
SODIUM BICARBONATE	D	C	A1	A	A	A	A1	A2	A	A	A	A
SODIUM BISULPHATE	D	S	C	A	A	A	B2	A2	A	A	A	A
SODIUM CARBONATE	D	B	A	A	A	A	A	A2	A	A	A	A
SODIUM HYDROXIDE 20%	D	A2	A	B	A	A	A	B	C	A	A	A
SODIUM HYDROXIDE 80%	D	D	B1	B	A	A	B	B1	B	A	A	A
SODIUM NITRATE	B	B	B1	A	A	A	A1	A	A	A	A	A
SODIUM SULPHATE	B	B	B	A	A	A	A	A	A	A	A	A
SULFURIC ACID 0-29%	D	D	A1	A1	A	A	C	A1	A	A	A	A
SULFURIC ACID 30-90%	D	D	A1	B	A	A1	D	C	A	A	A	A
SULFURIC ACID 91-100%	D	D	C	B	A	A1	D	C	A1	A	A	A
UREA	B	B	A	B	A	A	C	A	A	A	A	A
ZINC NITRATE	D	D	A	A	A	A	A	A	A	A	A	A
ZINC SULPHATE	D	D	A	A	A	A	A	A	A	A	A	A

See notes on front page