TROJAN PUMPS
AIR POWERED LIQUID PUMPS
Trojanpumps.com

TECHNICAL DATA SHEET

AIR POWERED LIQUID PUMPS

trojanpumps.com

Trojan Type ‘MD’

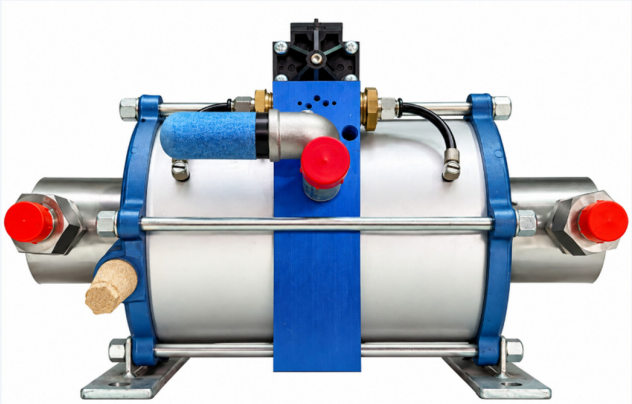
MODEL 10104

[PRIMARY RATIO / TYPE]	[MAX. FREE FLOW]	[OUTPUT / CYCLE]
4.3:1 to 390:1	1.0 L/Min to 56 L/Min	4cc to 390cc

KEY FEATURES

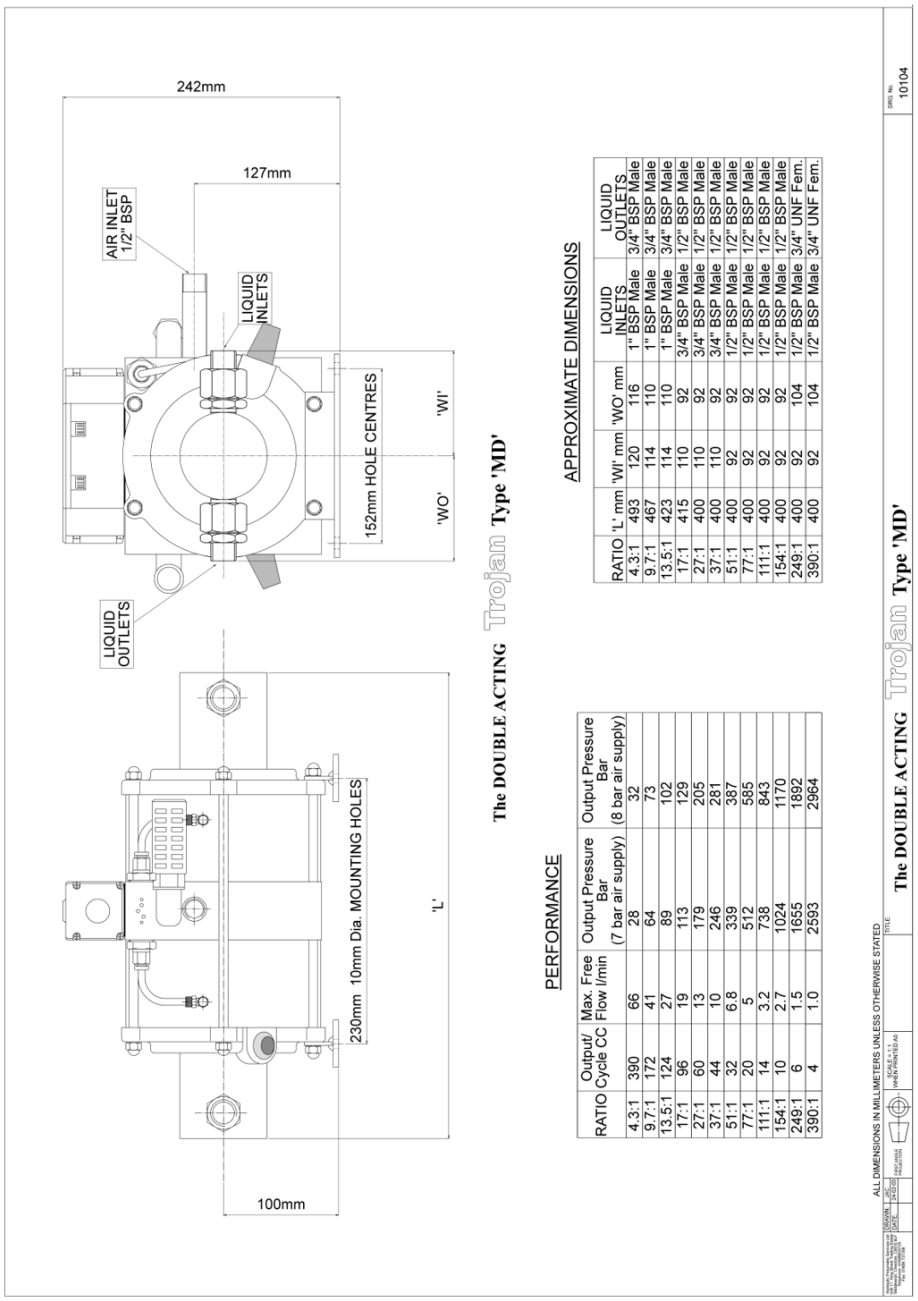
- Nine ratios ranging from 32 bar to 2,964 bar.
- Volume outputs from 1.0 to 56 litres/minute.
- Minimum air pressure required to start standard pump will be up to 1 bar.
- Stainless steel wetted parts
- Suitable for pumping water, oil and a wide range of fluids.
- Being Double Acting considerably reduces the output pressure pulses which are generated by all reciprocating pumps, and also reduces the severity of the pulses in the suction line as the pump changes direction.
- Automatic stall against a closed outlet with no air consumption, automatic re-start.
- ATEX Ex II 2G Ex h IIC T5 Gb
  II 2D Ex h IIIC T100°C Db

Trojan Type ‘MD’



- Infinitely variable output pressure and flow
- Holds static pressure without generating heat or consuming power
- Standard models are suitable for oil or water applications
- Well proven and trouble-free operation
- Designed for ease of maintenance
- Low cost servicing

PUMP DIMENSIONS



PERFORMANCE

RATIO	Output/ Cycle CC	Max. Free Flow l/min	Output Pressure Bar (7 bar air supply)	Output Pressure Bar (8 bar air supply)
4.3:1	390	66	28	32
9.7:1	172	41	64	73
13.5:1	124	27	89	102
17:1	96	19	113	129
27:1	60	13	179	205
37:1	44	10	246	281
51:1	32	6.8	339	387
77:1	20	5	512	585
111:1	14	3.2	738	843
154:1	10	2.7	1024	1170
249:1	6	1.5	1655	1892
390:1	4	1.0	2593	2964

PRESSURE TESTING:

Static and burst testing of hoses, valves, tubing, testing of fire extinguishers, gas bottles, pressure vessels, hydraulic circuits and components, aircraft and automobile braking systems, pipeline testing, wellheads.

GENERAL HYDRAULICS:

Power source for hydraulic rams and cylinders, scissor lifts, jacks, hydraulic presses, clamping systems, bolt cutters, bolt tensioners, axle lifts, ramps, mobile power supplies.

PROCESS INDUSTRY:

Isostatic presses, component life tests, chemical injection, etching machines, spraying equipment, lamination processes, impregnation machines.

CONSTRUCTION AND MINING:

Grit blasting equipment, rock breakers, pressure cutters/washers, rock drills, injection equipment.

PUMPS & SPARES AVAILABLE FROM

Hydraulic Pneumatic Services Ltd

Unit 17, King Street Trading Estate, Middlewich, Cheshire, UK CW10 9LF

Tel: +44 (0)1606 835725 **enquiries@pressure-pumps.co.uk**

TROJAN PUMPS

trojanpumps.com

Air powered liquid pumps
Manufactured in the UK