

MP-Hand Pump on Portable Reservoir Index for drawings

What do we offer?

Our Micropac® MP range takes one of our MW-Hand Pumps in Aluminium Alloy or Stainless Steel, and fits it to one of our MR-Hydraulic Reservoirs for carry-around, or wheel-around applications.

Choose from a huge number of configurations of hand pumps and then choose which reservoir you'd like it attached to. Order this assembled set under one part number, as per the MP-Datasheet.

Choose from a range of reservoirs from 5-100 Litres.

For fixed reservoir units, see our MW- range for Hand Pumps with attached reservoirs, or see our MR-Reservoirs for the reservoirs by themselves.

We can add level indicators, dip sticks, extra bosses etc. to meet specific customer requirements. Please consult the factory.

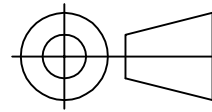


Page	Drawing Number	Description
		These drawings are to be used as reference only, the drawing numbers shown are not suitable to purchase the products under. Please use the MP- Product Datasheet to find the ordering code for the product required. If in doubt, please consult the factory.
		Aluminium Pumps on Portable Reservoirs:
2	MP-A-XX-05	MW-A Pump on Aluminium 5 Litre Portable Reservoir
3	MP-A-XX-10	MW-A Pump on Aluminium 10 Litre Portable Reservoir
4	MP-A-XX-20	MW-A Pump on Aluminium 20 Litre Portable Reservoir
5	MP-A-XX-1T	MW-A Pump on Stainless 10 Litre, 2-Wheel Trolley Reservoir
6	MP-A-XX-2T	MW-A Pump on Stainless 20 Litre, 2-Wheel Trolley Reservoir
7	MP-A-XX-5T	MW-A Pump on Stainless 50 Litre, 2-Wheel Trolley Reservoir
8	MP-A-XX-5M	MW-A Pump on Stainless 50 Litre, 4-Wheel Turntable Trolley Reservoir
9	MP-A-XX-7M	MW-A Pump on Stainless 75 Litre, 4-Wheel Turntable Trolley Reservoir
10	MP-A-XX-0M	MW-A Pump on Stainless 100 Litre, 4-Wheel Turntable Trolley Reservoir
		Stainless Pumps on Portable Reservoirs:
11	MP-3-XX-05	MW-3 Pump on Stainless 5 Litre Portable Reservoir
12	MP-3-XX-10	MW-3 Pump on Stainless 10 Litre Portable Reservoir
13	MP-3-XX-20	MW-3 Pump on Stainless 20 Litre Portable Reservoir
14	MP-3-XX-1T	MW-3 Pump on Stainless 10 Litre, 2-Wheel Trolley Reservoir
15	MP-3-XX-2T	MW-3 Pump on Stainless 20 Litre, 2-Wheel Trolley Reservoir
16	MP-3-XX-5T	MW-3 Pump on Stainless 50 Litre, 2-Wheel Trolley Reservoir
17	MP-3-XX-5M	MW-3 Pump on Stainless 50 Litre, 4-Wheel Turntable Trolley Reservoir
18	MP-3-XX-7M	MW-3 Pump on Stainless 75 Litre, 4-Wheel Turntable Trolley Reservoir
19	MP-3-XX-0M	MW-3 Pump on Stainless 100 Litre, 4-Wheel Turntable Trolley Reservoir

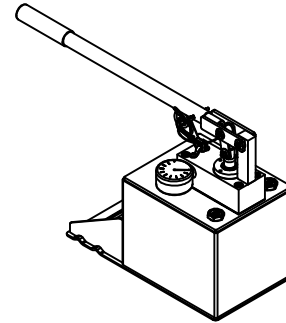
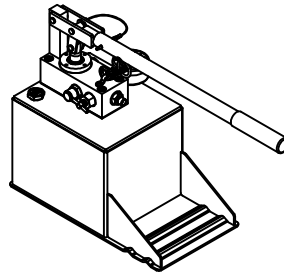
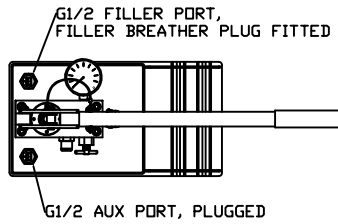
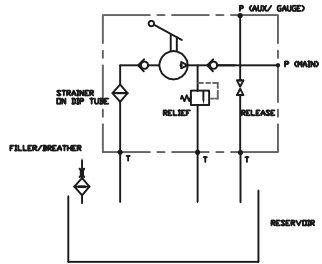
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

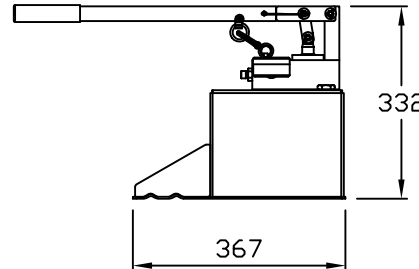
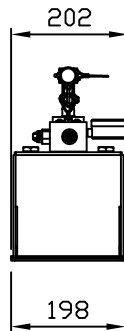
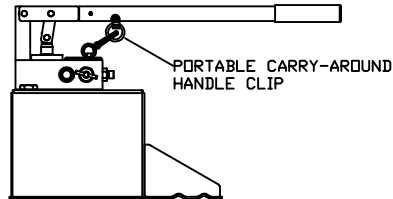
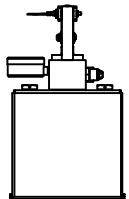


TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6h (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



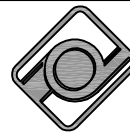
NOTES:

- 1) THIS DRAWING IS AN ILLUSTRATION USED FOR REFERENCE ONLY. ORDER PRODUCTS UNDER THE ESTABLISHED CATALOGUE CODES FOUND IN THE MP- PRODUCT DATASHEET.
- 2) DRAWING SHOWS A TYPICAL REPRESENTATION OF AN MP-A UNIT FITTED TO A 5L CARRY AROUND RESERVOIR
- 3) MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 ANODISED ALUMINIUM ALLOY 6082T6
 CARBON STEEL, BRIGHT ZINC PLATE
 STAINLESS STEEL WETTED PARTS
 RESERVOIR:
 MARINE GRADE ALUMINIUM 5251 & 6082T6
 TECHNOLYMER FILLER/BREATHER
- 4) NOMINAL CAPACITY 5 LITRES (1.3USG)
- 5) THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
- 6) APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 6.1KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- 7) FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- 8) DIMENSIONS IN mm
- 9) SPECIFICATION SUBJECT TO REVISION



UNLESS OTHERWISE STATED:
 DIMENSIONS IN MILLIMETRES
 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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SALISBURY, SP4 6EB, UK
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TITLE

ILLUSTRATION MP-A HANDPUMP ON 5L ALUMINIUM RES.

MATERIAL PER NOTES

FINISH PER NOTES

DRAWN	NATO	APP
		CHKD
SCALE	F SIZE	SHEET OF
CAD	2-D	MP-A-XX-05
DRAWING NO.		MP-A-XX-05

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FIRST ISSUE

01/24

ISSUE

D.C.N.

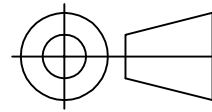
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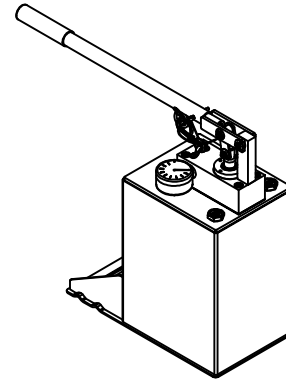
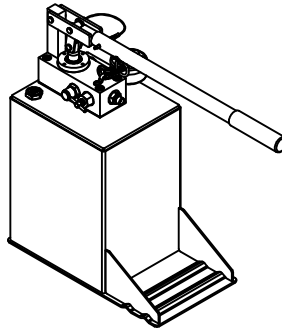
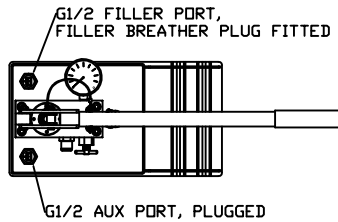
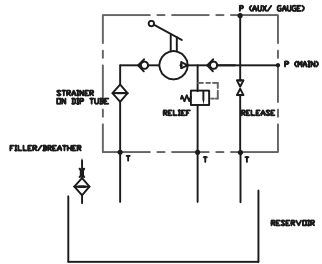
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HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

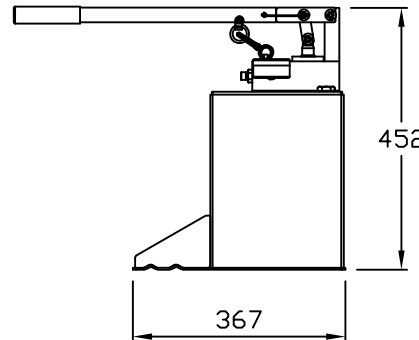
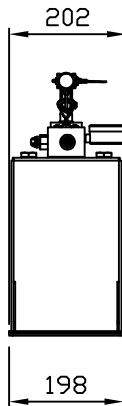
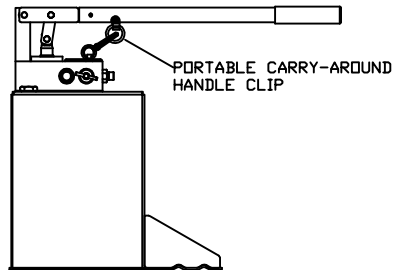
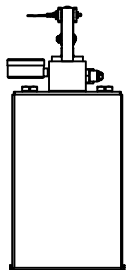


TOLERANCES UNLESS OTHERWISE STATED
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 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
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 TOL. 6g/6H (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



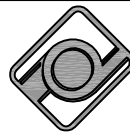
NOTES:

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- 3) MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 ANODISED ALUMINIUM ALLOY 6082T6
 CARBON STEEL, BRIGHT ZINC PLATE
 STAINLESS STEEL WETTED PARTS
 RESERVOIR:
 MARINE GRADE ALUMINIUM 5251 & 6082T6
 TECHNOLYMER FILLER/BREATHER
- 4) NOMINAL CAPACITY 10 LITRES (2.6USG)
- 5) THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
- 6) APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 6.6KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- 7) FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- 8) DIMENSIONS IN mm
- 9) SPECIFICATION SUBJECT TO REVISION



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 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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TITLE

ILLUSTRATION MP-A HANDPUMP ON 10L ALUMINIUM RES.

MATERIAL PER NOTES

FINISH PER NOTES

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SCALE	F SIZE	SHEET OF
CAD 2-D	MP-A-XX-10	
DRAWING NO.		MP-A-XX-10

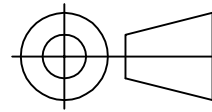
1	FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE

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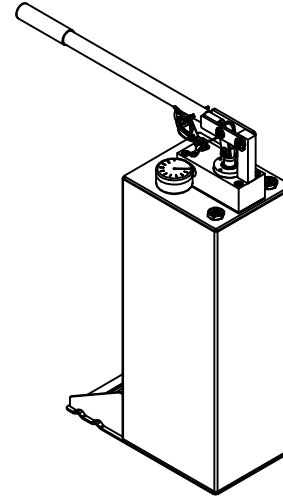
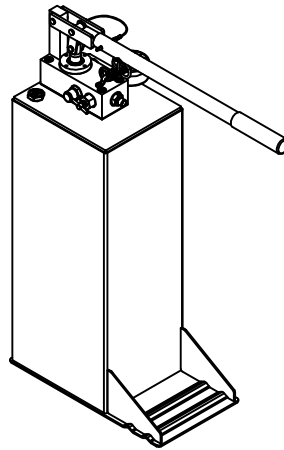
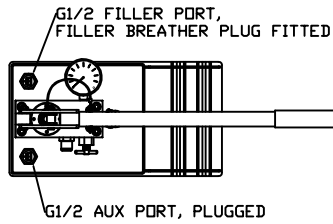
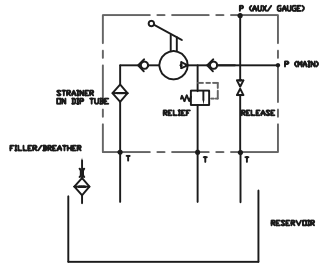
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HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

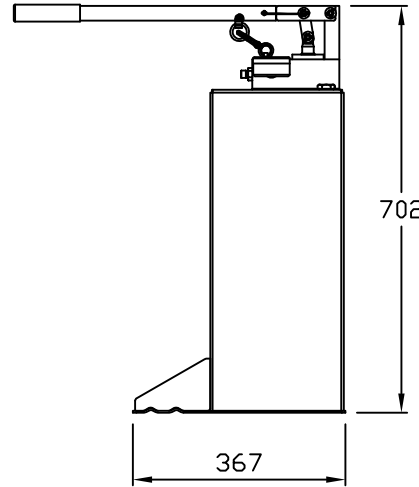
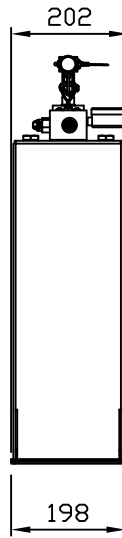
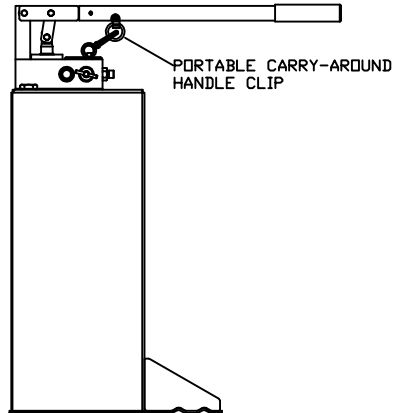
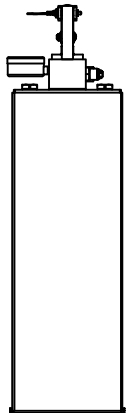


TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6h (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



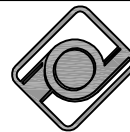
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- DRAWING SHOWS A TYPICAL REPRESENTATION OF AN MP-A UNIT FITTED TO A 20L CARRY AROUND RESERVOIR
- MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 ANODISED ALUMINIUM ALLOY 6082T6
 CARBON STEEL, BRIGHT ZINC PLATE
 STAINLESS STEEL WETTED PARTS
 RESERVOIR:
 MARINE GRADE ALUMINIUM 5251 & 6082T6
 TECHNOPYLIMER FILLER/BREATHER
- NOMINAL CAPACITY 20 LITRES (5.2USG)
- THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 7.7KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- DIMENSIONS IN mm
- SPECIFICATION SUBJECT TO REVISION



UNLESS OTHERWISE STATED:
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 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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TITLE
 ILLUSTRATION MP-A HANDPUMP ON 20L ALUMINIUM RES.

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		CHKD
SCALE	F SIZE	SHEET OF
CAD	2-D	MP-A-XX-20
DRAWING NO.		

MP-A-XX-20

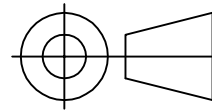
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ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE
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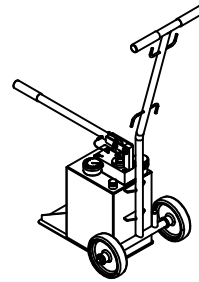
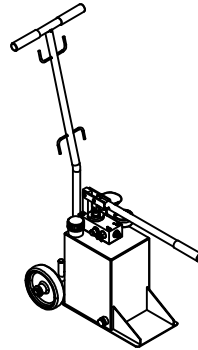
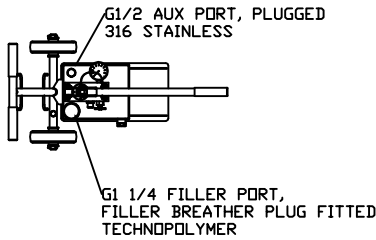
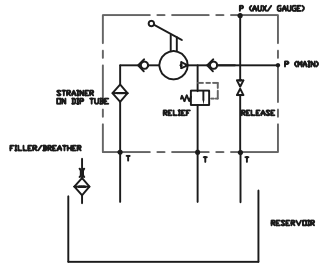
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

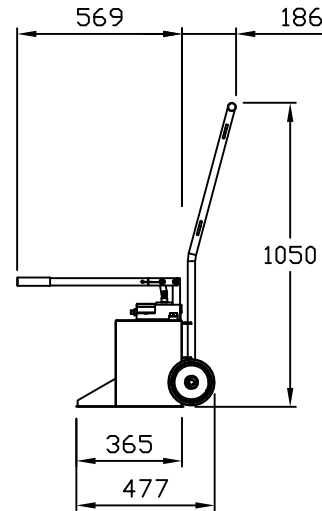
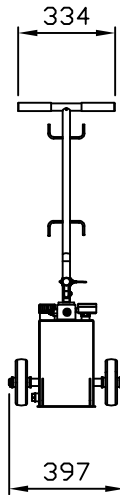
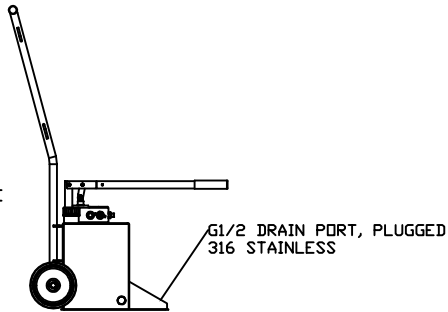
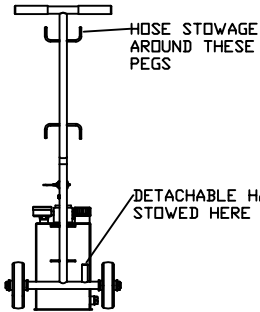


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 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
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 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
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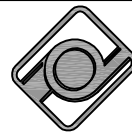
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- 2) DRAWING SHOWS A TYPICAL REPRESENTATION OF AN MP-A UNIT FITTED TO A 10L TWO-WHEEL TROLLEY RESERVOIR
- 3) MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 ANODISED ALUMINIUM ALLOY 6082T6
 CARBON STEEL, BRIGHT ZINC PLATE
 STAINLESS STEEL WETTED PARTS
 RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 WHEEL THERMOPLASTIC RUBBER ON POLYPROPYLENE
 TECHNOPOLYMER FILLER/BREATHER
- 4) NOMINAL CAPACITY 10 LITRES (2.6USG)
- 5) THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- 6) APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 15.0KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- 7) FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- 8) DIMENSIONS IN mm
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 ILLUSTRATION MP-A HANDPUMP ON 10L TROLLEY RES.

DRAWN	NATO	APP
		CHKD
SCALE	F	SIZE SHEET OF
CAD	2-D	MP-A-XX-1T
DRAWING NO.		MP-A-XX-1T

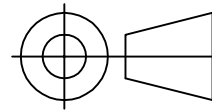
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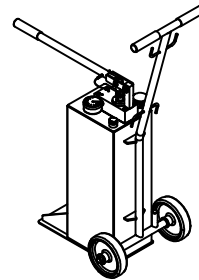
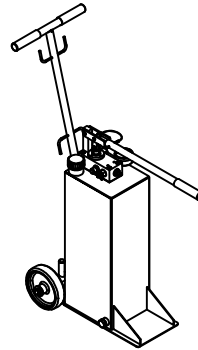
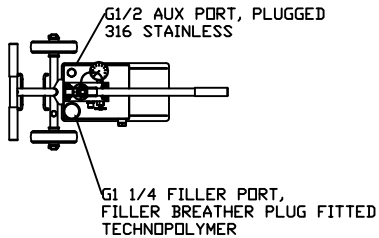
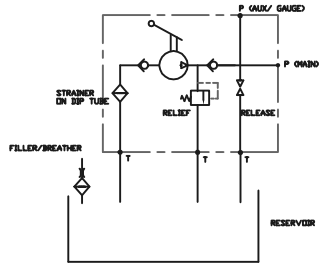
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HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

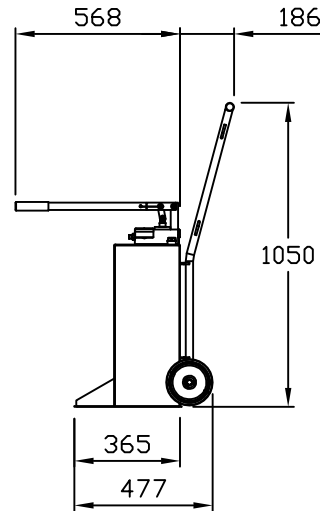
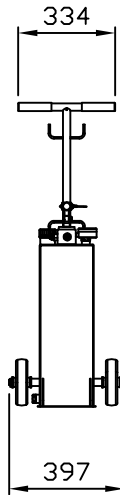
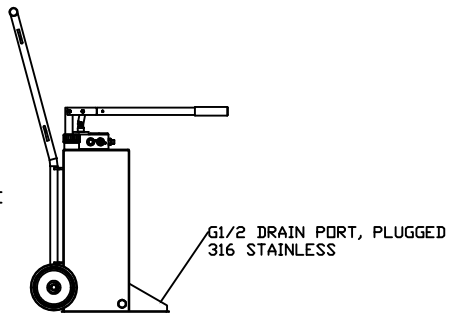
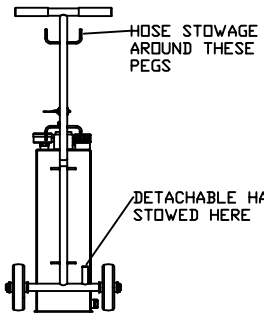


TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6H (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



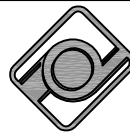
NOTES:

- 1) THIS DRAWING IS AN ILLUSTRATION USED FOR REFERENCE ONLY. ORDER PRODUCTS UNDER THE ESTABLISHED CATALOGUE CODES FOUND IN THE MP- PRODUCT DATASHEET.
- 2) DRAWING SHOWS A TYPICAL REPRESENTATION OF AN MP-A UNIT FITTED TO A 20L TWO-WHEEL TROLLEY RESERVOIR
- 3) MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 ANODISED ALUMINIUM ALLOY 6082T6
 CARBON STEEL, BRIGHT ZINC PLATE
 STAINLESS STEEL WETTED PARTS
 RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 WHEEL THERMOPLASTIC RUBBER ON POLYPROPYLENE
 TECHNOPOLYMER FILLER/BREATHER
- 4) NOMINAL CAPACITY 20 LITRES (5.2USG)
- 5) THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- 6) APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 18.5KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- 7) FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- 8) DIMENSIONS IN mm
- 9) SPECIFICATION SUBJECT TO REVISION



UNLESS OTHERWISE STATED:
 DIMENSIONS IN MILLIMETRES
 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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TITLE
 ILLUSTRATION MP-A HANDPUMP ON 20L TROLLEY RES.

DRAWN	NATO	APP
		CHKD
SCALE	F	SIZE SHEET OF
CAD	2-D	MP-A-XX-2T
DRAWING NO.		MP-A-XX-2T

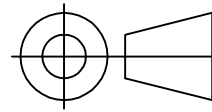
1	FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE
		DATE IMPLEMENTED

MATERIAL PER NOTES
 FINISH PER NOTES

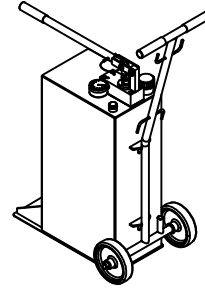
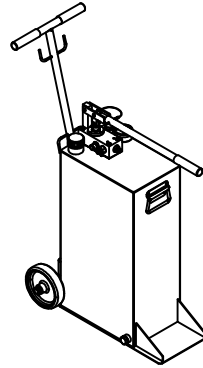
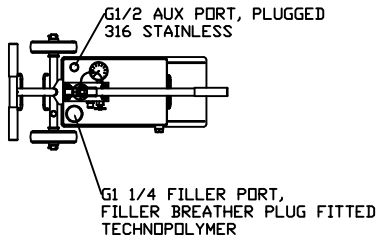
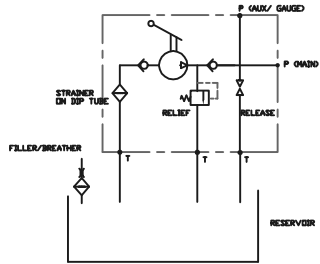
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

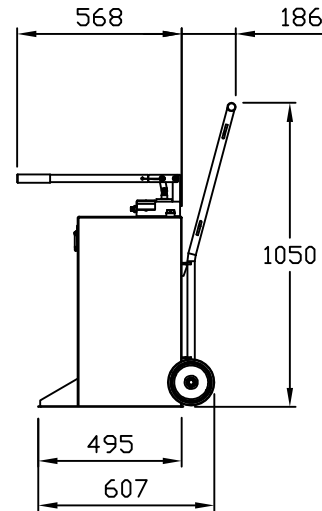
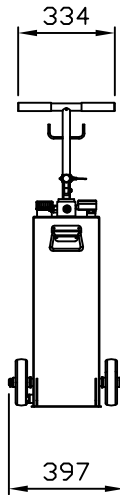
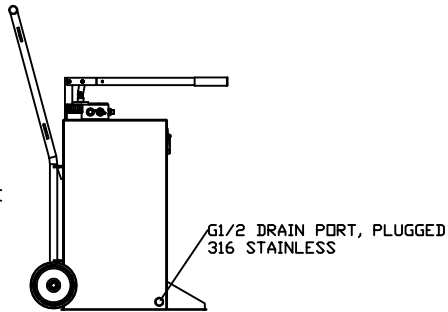
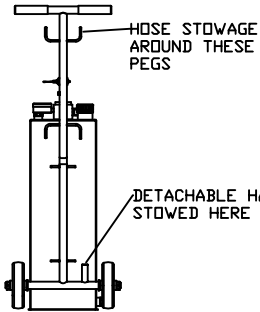


TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6H (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



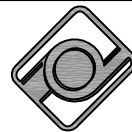
NOTES:

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- 2) DRAWING SHOWS A TYPICAL REPRESENTATION OF AN MP-A UNIT FITTED TO A 50L TWO-WHEEL TROLLEY RESERVOIR
- 3) MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 ANODISED ALUMINIUM ALLOY 6082T6
 CARBON STEEL, BRIGHT ZINC PLATE
 STAINLESS STEEL WETTED PARTS
 RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 WHEEL THERMOPLASTIC RUBBER ON
 POLYPROPYLENE
 TECHNOPOLYMER FILLER/BREATHER
- 4) NOMINAL CAPACITY 50 LITRES (13USG)
- 5) THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- 6) APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 26.5KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- 7) FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- 8) DIMENSIONS IN mm
- 9) SPECIFICATION SUBJECT TO REVISION



UNLESS OTHERWISE STATED:
 DIMENSIONS IN MILLIMETRES
 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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TITLE
 ILLUSTRATION MP-A HANDPUMP ON 50L TROLLEY RES.

DRAWN	NATO	APP
		CHKD
SCALE	F	SIZE SHEET OF
CAD	2-D	MP-A-XX-5T
DRAWING NO.		MP-A-XX-5T

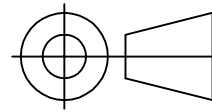
1	FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE
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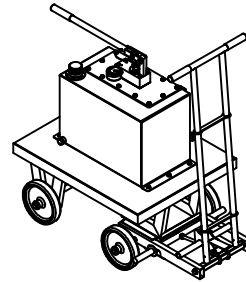
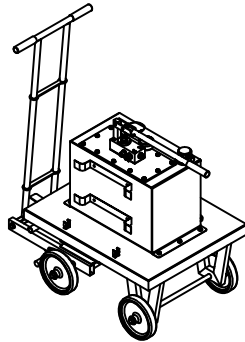
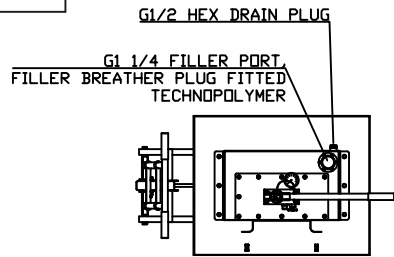
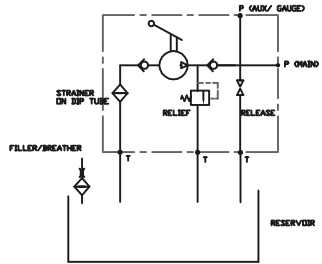
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

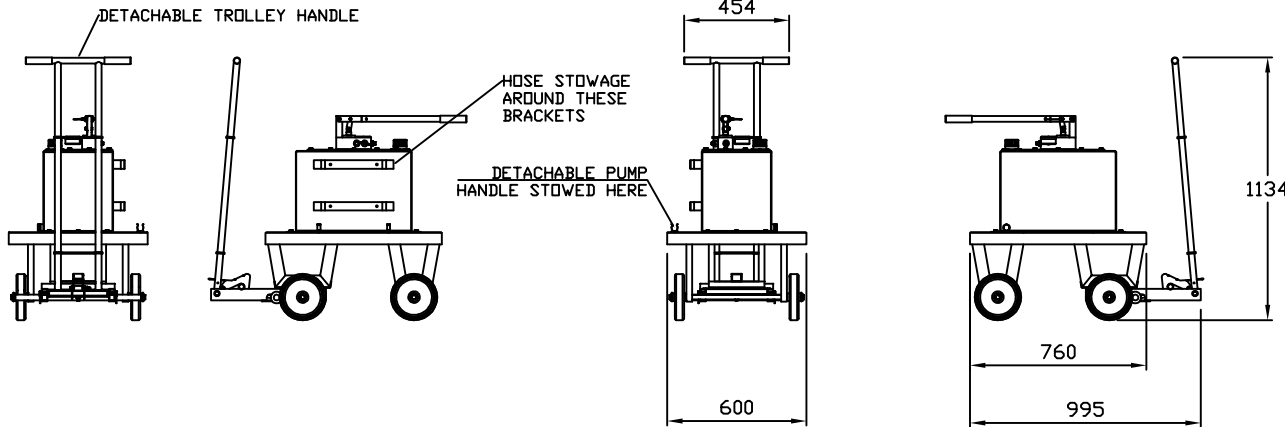


TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6H (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



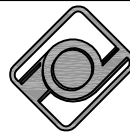
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 ANODISED ALUMINIUM ALLOY 6082T6
 CARBON STEEL, BRIGHT ZINC PLATE
 STAINLESS STEEL WETTED PARTS
 TROLLEY RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 UHMWP SWIVEL BEARING
 WHEEL THERMOPLASTIC RUBBER ON POLYPROPYLENE
 TECHNOPYMER FILLER/BREATHER
- NOMINAL CAPACITY 50 LITRES (13USG)
- THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 65.0KG EXCL PUMP HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- DIMENSIONS IN mm
- SPECIFICATION SUBJECT TO REVISION



UNLESS OTHERWISE STATED:
 DIMENSIONS IN MILLIMETRES
 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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 www.sarum-hydraulics.co.uk

TITLE
 ILLUSTRATION MP-A HANDPUMP ON 50L TURNTABLE TROLLEY RES.

DRAWN NATO APP

CHKD

SCALE F SIZE SHEET OF

CAD 2-D MP-A-XX-5M

DRAWING NO.

MP-A-XX-5M

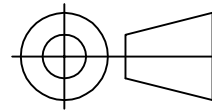
1	FIRST ISSUE	01/24
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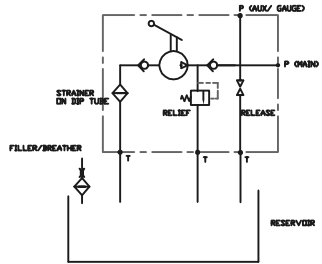
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

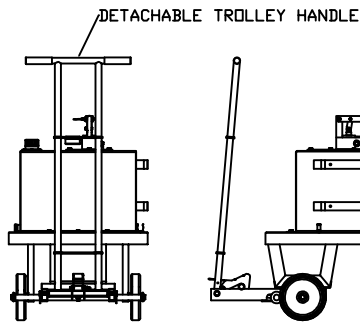
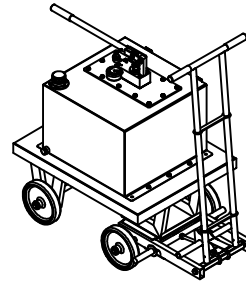
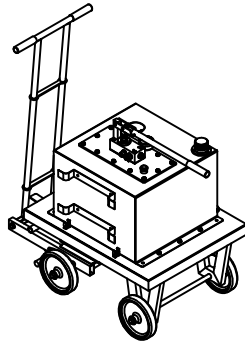
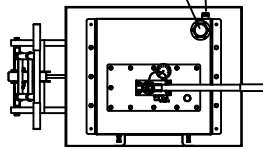
THIRD ANGLE PROJECTION



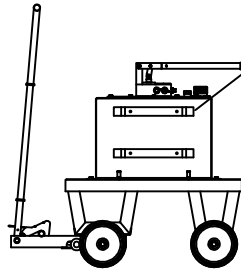
TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6H (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



G1/2 HEX DRAIN PLUG
 G1/4 FILLER PORT
 FILLER BREATHER PLUG FITTED
 TECHNOPYLIMER

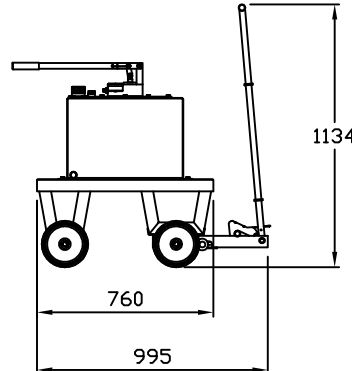
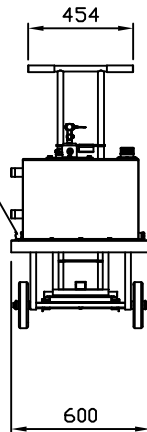


DETACHABLE TROLLEY HANDLE



HOSE STOWAGE
 AROUND THESE
 BRACKETS

DETACHABLE PUMP
 HANDLE STOWED HERE

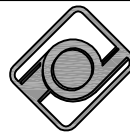


UNLESS OTHERWISE STATED:
 DIMENSIONS IN MILLIMETRES
 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

NOTES:

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- DRAWING SHOWS A TYPICAL REPRESENTATION OF AN MP-A UNIT FITTED TO A 75L 4-WHEEL TURNABLE TROLLEY RESERVOIR
- MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 ANODISED ALUMINIUM ALLOY 6082T6
 CARBON STEEL, BRIGHT ZINC PLATE
 STAINLESS STEEL WETTED PARTS
 TROLLEY RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 UHMWP SWIVEL BEARING
 WHEEL THERMOPLASTIC RUBBER ON
 POLYPROPYLENE
 TECHNOPYLIMER FILLER/BREATHER
- NOMINAL CAPACITY 75 LITRES (19.8USG)
- THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 70.8KG EXCL PUMP HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- DIMENSIONS IN mm
- SPECIFICATION SUBJECT TO REVISION

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TITLE
 ILLUSTRATION MP-A HANDPUMP ON 75L TURNABLE TROLLEY RES.

DRAWN	NATO	APP
		CHKD
SCALE	F	SIZE SHEET OF
CAD	2-D	MP-A-XX-7M

DRAWING NO.
MP-A-XX-7M

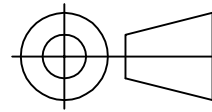
1	FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE
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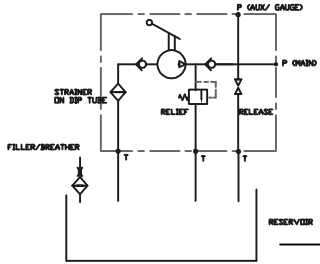
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

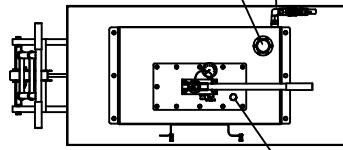


TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6H (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3

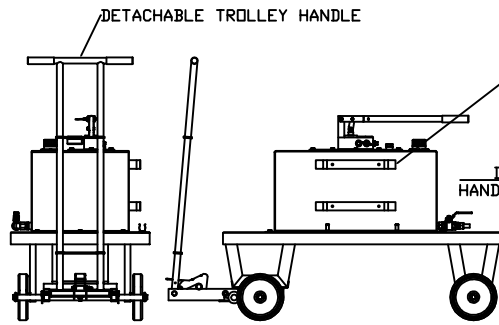
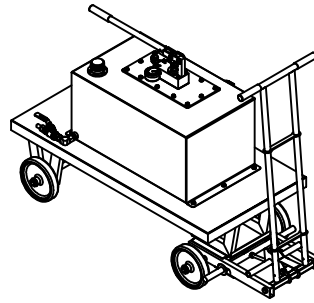
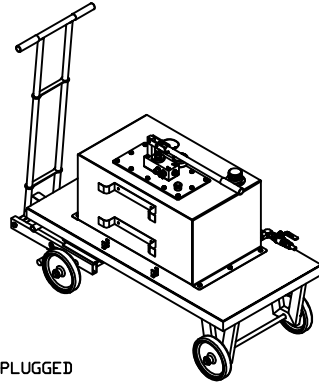


RESERVOIR
 DRAIN VALVE KIT
 001073700
 OR PLUG WITH G1/2 HEX PLUG

G1 1/4 FILLER PORT
 FILLER BREATHERS PLUG FITTED
 TECHNOPYLIMER

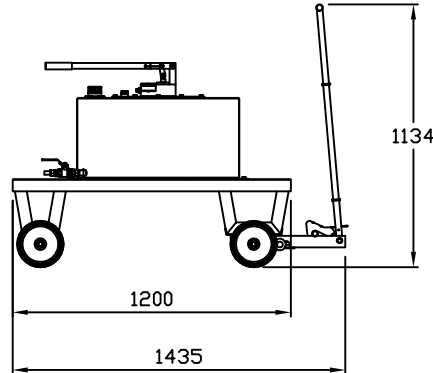
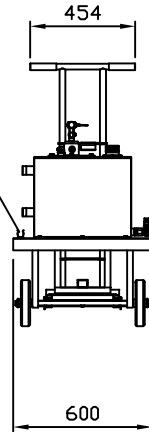


G1/2 AUX PORT, PLUGGED
 316 STAINLESS



HOSE STOWAGE
 AROUND THESE
 BRACKETS

DETACHABLE PUMP
 HANDLE STOWED HERE

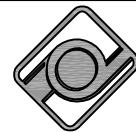


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 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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 CARBON STEEL, BRIGHT ZINC PLATE
 STAINLESS STEEL WETTED PARTS
 TROLLEY RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 UHMWP SWIVEL BEARING
 WHEEL THERMOPLASTIC RUBBER ON POLYPROPYLENE
 TECHNOPYLIMER FILLER/BREATHERS
- NOMINAL CAPACITY 100 LITRES (26USG)
- THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 86.4KG EXCL PUMP HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- DIMENSIONS IN mm
- SPECIFICATION SUBJECT TO REVISION

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TITLE
 ILLUSTRATION MP-A HANDPUMP ON 100L TURNABLE TROLLEY RES.

DRAWN NATO APP

CHKD

SCALE F SIZE SHEET OF

CAD 2-D MP-A-XX-0M

DRAWING NO.

MP-A-XX-0M

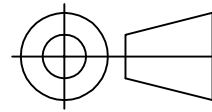
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FINISH PER NOTES

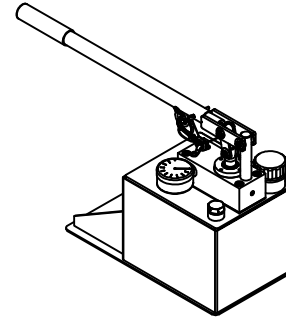
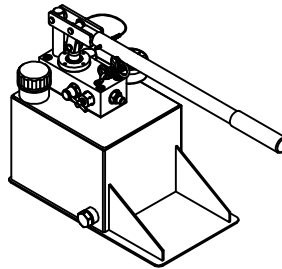
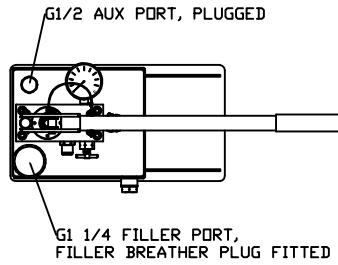
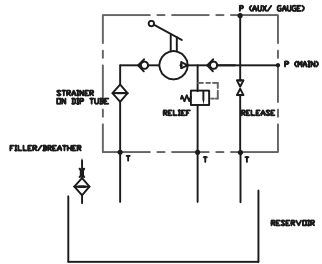
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

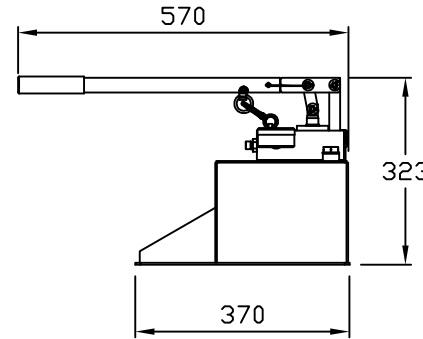
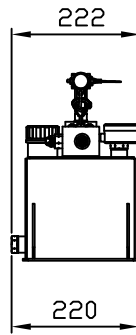
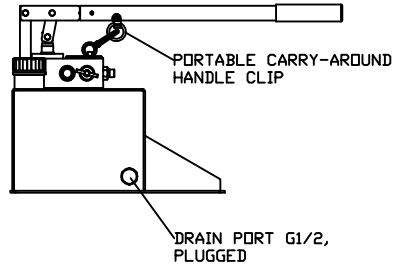
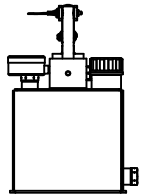


TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6h (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



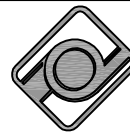
NOTES:

- 1) THIS DRAWING IS AN ILLUSTRATION USED FOR REFERENCE ONLY. ORDER PRODUCTS UNDER THE ESTABLISHED CATALOGUE CODES FOUND IN THE MP- PRODUCT DATASHEET.
- 2) DRAWING SHOWS A TYPICAL REPRESENTATION OF AN MP-3 UNIT FITTED TO A 5L CARRY AROUND RESERVOIR
- 3) MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 316 STAINLESS STEEL 1.4404
 ALUMINIUM BRONZE CW307G
 SMALL AMOUNTS OF
 302,303,304,316,416,420,431 STAINLESS
 RESERVOIR:
 316 STAINLESS STEEL
 TECHNOPOLYMER FILLER/BREATHER
- 4) NOMINAL CAPACITY 5 LITRES (1.3USG)
- 5) THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- 6) APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 13.1KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- 7) FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- 8) DIMENSIONS IN mm
- 9) SPECIFICATION SUBJECT TO REVISION
- 10) ATEX MODELS AVAILABLE, ADD -AX TO ORDER CODE. CONSULT FACTORY.



UNLESS OTHERWISE STATED:
 DIMENSIONS IN MILLIMETRES
 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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SALISBURY, SP4 6EB, UK
 www.sarum-hydraulics.co.uk

TITLE
 ILLUSTRATION MP-3 HANDPUMP ON 5L STAINLESS RES.

DRAWN	NATO	APP
		CHKD
SCALE	F	SIZE
		SHEET OF
CAD	2-D	MP-3-XX-05
DRAWING NO.		MP-3-XX-05

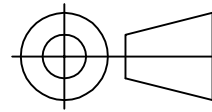
1	FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE
		DATE IMPLEMENTED

MATERIAL PER NOTES
 FINISH PER NOTES

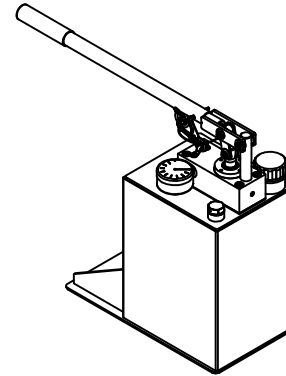
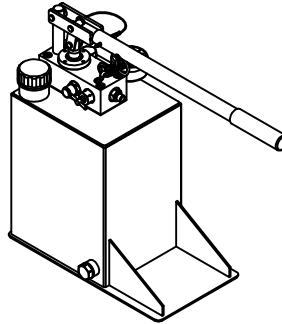
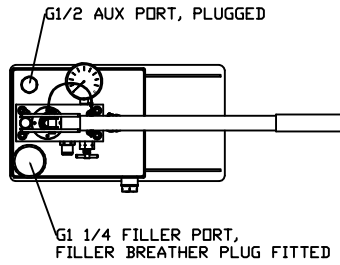
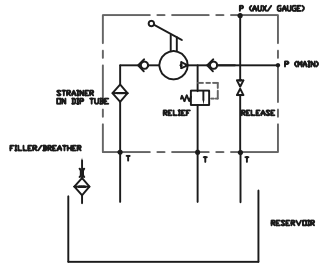
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICRO PAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

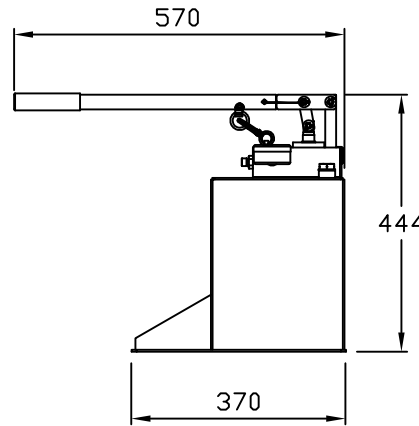
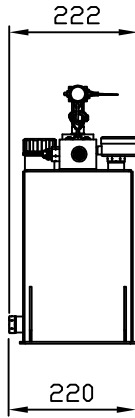
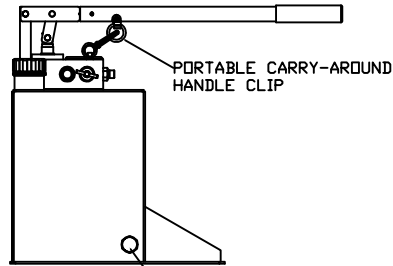
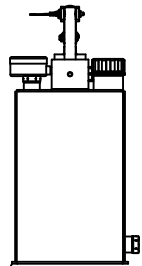


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 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6H (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



NOTES:

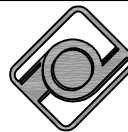
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 ALUMINIUM BRONZE CW307G
 SMALL AMOUNTS OF
 302,303,304,316,416,420,431 STAINLESS
 RESERVOIR:
 316 STAINLESS STEEL
 TECHNOPYLIMER FILLER/BREATHER
- 4) NOMINAL CAPACITY 10 LITRES (2.6USG)
- 5) THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- 6) APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 14.6KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- 7) FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- 8) DIMENSIONS IN mm
- 9) SPECIFICATION SUBJECT TO REVISION
- 10) ATEX MODELS AVAILABLE, ADD -AX TO ORDER CODE. CONSULT FACTORY.



UNLESS OTHERWISE STATED:
 DIMENSIONS IN MILLIMETRES
 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

DRAIN PORT G1/2,
 PLUGGED

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SALISBURY, SP4 6EB, UK
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TITLE
 ILLUSTRATION MP-3 HANDPUMP ON 10L STAINLESS RES.

DRAWN	NATO	APP
		CHKD
SCALE	F SIZE	SHEET OF
CAD	2-D	MP-3-XX-10
DRAWING NO.		MP-3-XX-10

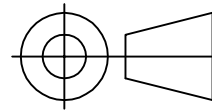
1	FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE
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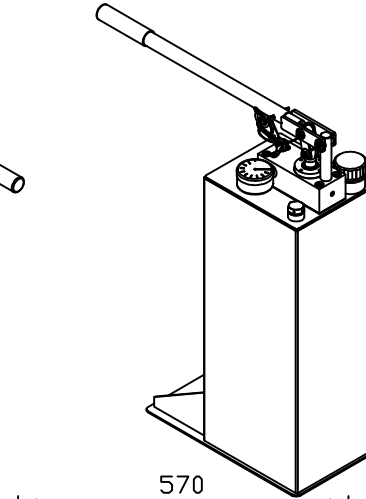
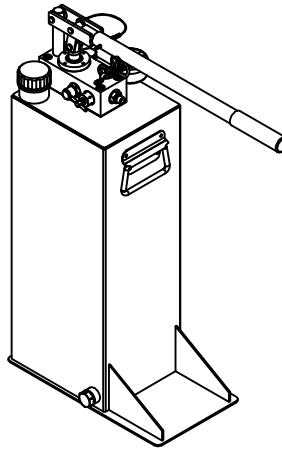
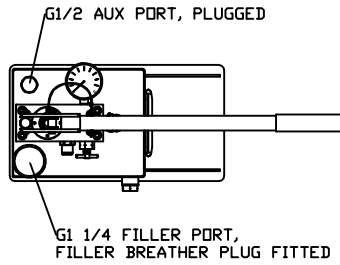
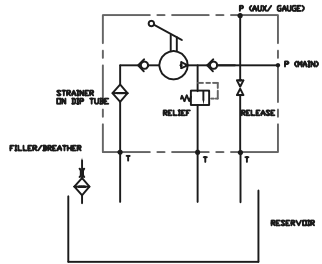
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

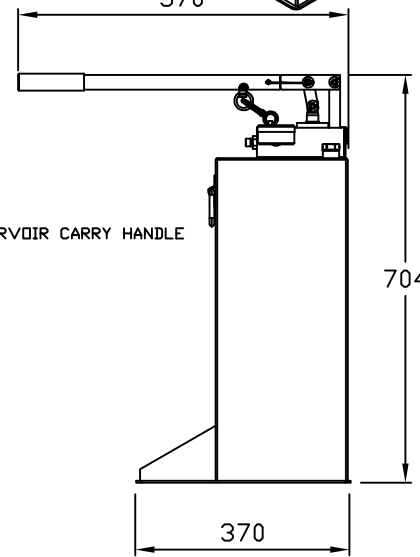
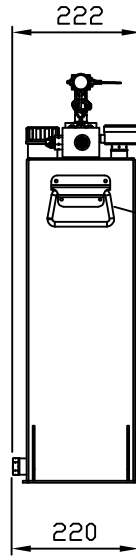
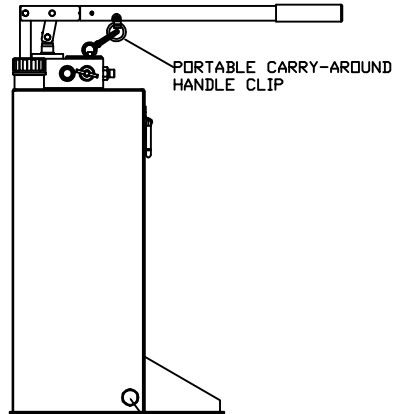
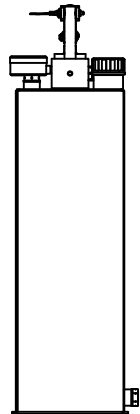


TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
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 TOL. 6g/6h (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



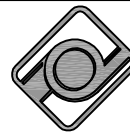
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 ALUMINIUM BRONZE CW307G
 SMALL AMOUNTS OF
 302,303,304,316,416,420,431 STAINLESS
 RESERVOIR:
 316 STAINLESS STEEL
 TECHNOPOLYMER FILLER/BREATHER
- 4) NOMINAL CAPACITY 20 LITRES (5.2USG)
- 5) THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- 6) APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 18.4KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- 7) FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- 8) DIMENSIONS IN mm
- 9) SPECIFICATION SUBJECT TO REVISION
- 10) ATEX MODELS AVAILABLE, ADD -AX TO ORDER CODE. CONSULT FACTORY.



UNLESS OTHERWISE STATED:
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 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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TITLE
 ILLUSTRATION MP-3 HANDPUMP ON 20L STAINLESS RES.

DRAWN	NATO	APP
		CHKD
SCALE	F SIZE	SHEET OF
CAD	2-D	MP-3-XX-20
DRAWING NO.		MP-3-XX-20

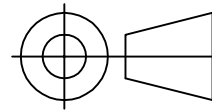
1	FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE
		DATE IMPLEMENTED

MATERIAL PER NOTES
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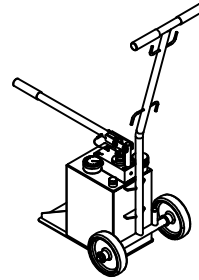
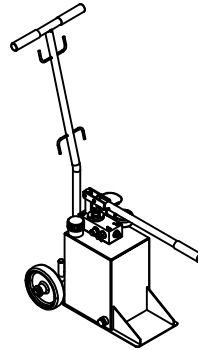
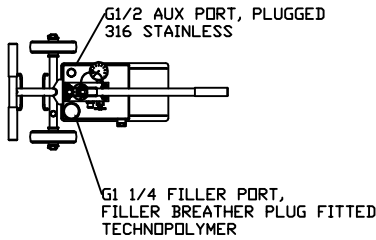
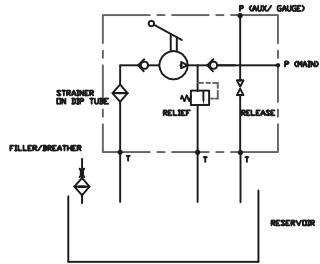
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

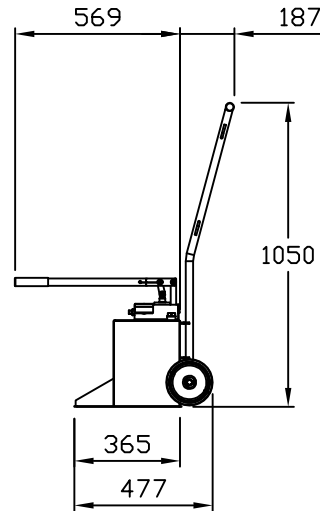
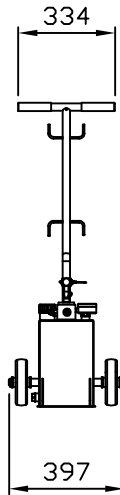
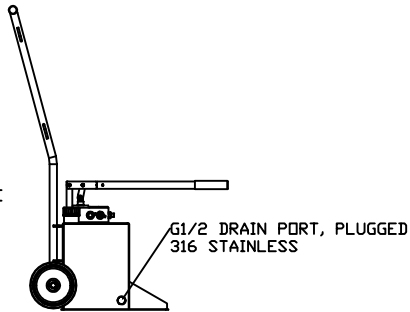
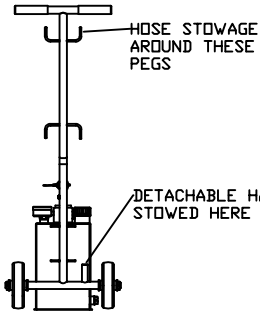


TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6h (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



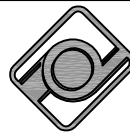
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- 3) MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 316 STAINLESS STEEL 1.4404
 ALUMINIUM BRONZE CW307G
 SMALL AMOUNTS OF
 302,303,304,316,416,420,431 STAINLESS
 RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 WHEEL THERMOPLASTIC RUBBER ON
 POLYPROPYLENE
 TECHNOPOLYMER FILLER/BREATHER
- 4) NOMINAL CAPACITY 10 LITRES (2.6USG)
- 5) THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- 6) APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 17.9KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- 7) FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- 8) DIMENSIONS IN mm
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UNLESS OTHERWISE STATED:
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 www.sarum-hydraulics.co.uk

DRAWN	NATO	APP
		CHKD
SCALE	F	SIZE SHEET OF
CAD	2-D	MP-3-XX-1T
DRAWING NO.		MP-3-XX-1T

TITLE
ILLUSTRATION MP-3 HANDPUMP ON 10L TROLLEY RES.

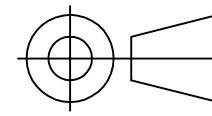
1	FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE
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MATERIAL PER NOTES
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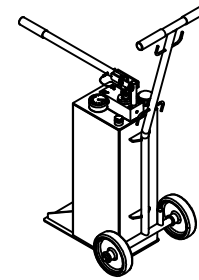
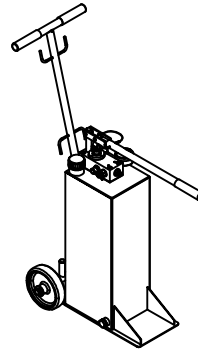
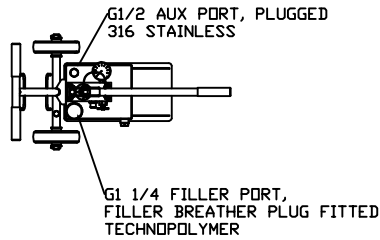
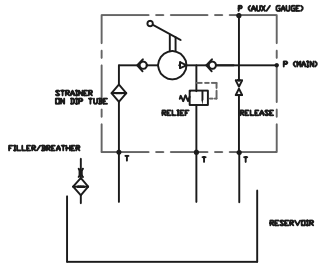
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICRO PAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

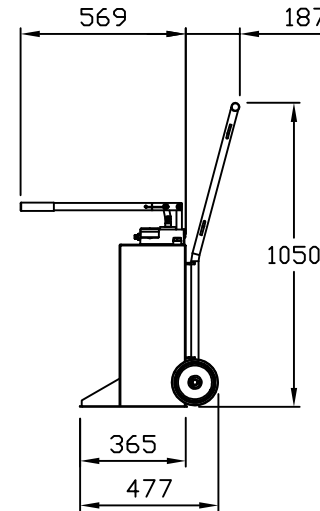
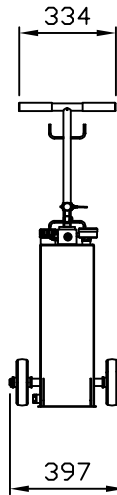
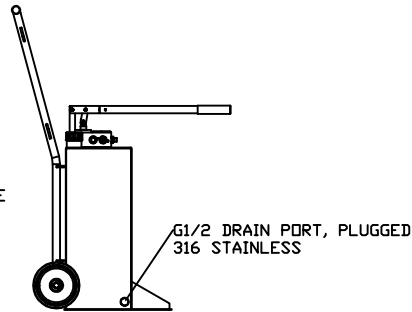
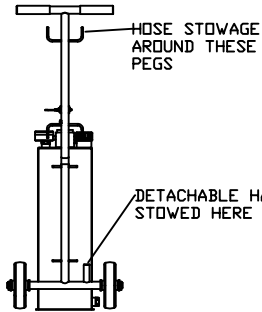


TOLERANCES UNLESS OTHERWISE STATED
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 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
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 GEOMETRICAL TOLERANCING TO BS308 PART 3



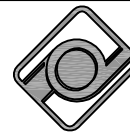
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 RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 WHEEL THERMOPLASTIC RUBBER ON
 POLYPROPYLENE
 TECHNOPOLYMER FILLER/BREATHER
- 4) NOMINAL CAPACITY 20 LITRES (5.2USG)
- 5) THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- 6) APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 21.4KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- 7) FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- 8) DIMENSIONS IN mm
- 9) SPECIFICATION SUBJECT TO REVISION
- 10) ATEX MODELS AVAILABLE, ADD -AX TO ORDER CODE. CONSULT FACTORY.



UNLESS OTHERWISE STATED:
 DIMENSIONS IN MILLIMETRES
 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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DRAWN	NATO	APP
		CHKD
SCALE	F SIZE	SHEET OF
CAD	2-D	MP-3-XX-2T

TITLE
 ILLUSTRATION MP-3 HANDPUMP ON 20L TROLLEY RES.

1		FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE	DATE IMPLEMENTED

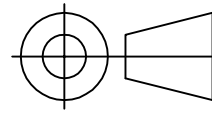
MATERIAL PER NOTES
 FINISH PER NOTES

DRAWING NO.
MP-3-XX-2T

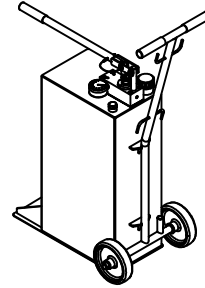
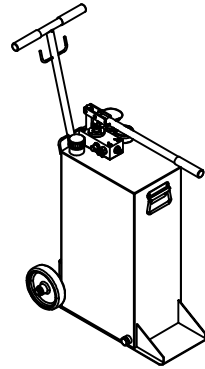
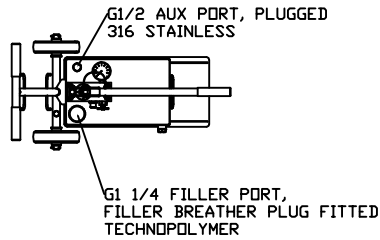
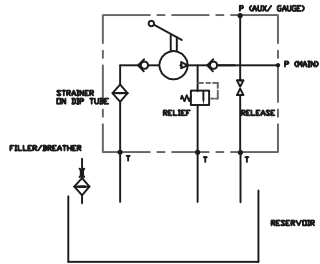
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

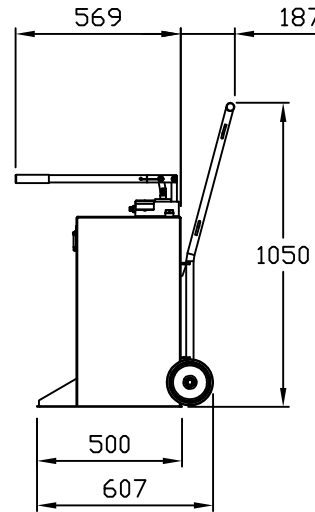
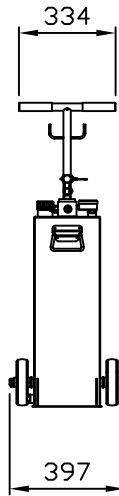
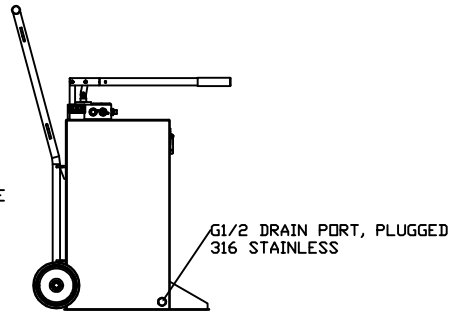
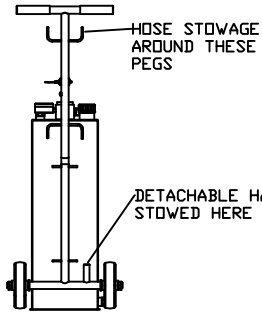


TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6H (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



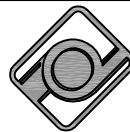
NOTES:

- 1) THIS DRAWING IS AN ILLUSTRATION USED FOR REFERENCE ONLY. ORDER PRODUCTS UNDER THE ESTABLISHED CATALOGUE CODES FOUND IN THE MP- PRODUCT DATASHEET.
- 2) DRAWING SHOWS A TYPICAL REPRESENTATION OF AN MP-3 UNIT FITTED TO A 50L TROLLEY RESERVOIR
- 3) MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 316 STAINLESS STEEL 1.4404
 ALUMINIUM BRONZE CW307G
 SMALL AMOUNTS OF
 302,303,304,316,416,420,431 STAINLESS
 RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 WHEEL THERMOPLASTIC RUBBER ON
 POLYPROPYLENE
 TECHNOPOLYMER FILLER/BREATHER
- 4) NOMINAL CAPACITY 50 LITRES (13USG)
- 5) THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE.
 MAXIMUM INTERNAL PRESSURE 0.3BARG
- 6) APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 29.5KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- 7) FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- 8) DIMENSIONS IN mm
- 9) SPECIFICATION SUBJECT TO REVISION
- 10) ATEX MODELS AVAILABLE, ADD -AX TO ORDER CODE. CONSULT FACTORY.



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 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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TITLE
 ILLUSTRATION MP-3 HANDPUMP ON 50L TROLLEY RES.

DRAWN	NATO	APP
		CHKD
SCALE	F	SIZE SHEET OF
CAD	2-D	MP-3-XX-5T
DRAWING NO.		MP-3-XX-5T

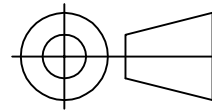
1	FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE
		DATE IMPLEMENTED

MATERIAL PER NOTES
 FINISH PER NOTES

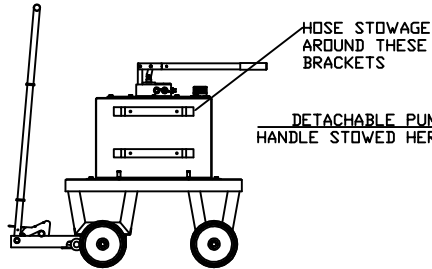
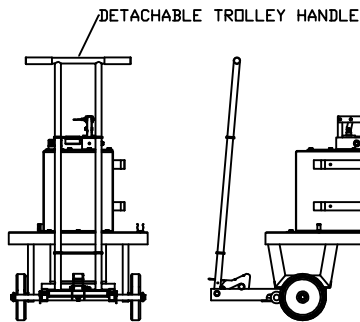
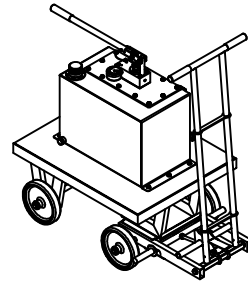
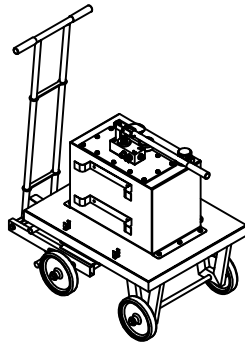
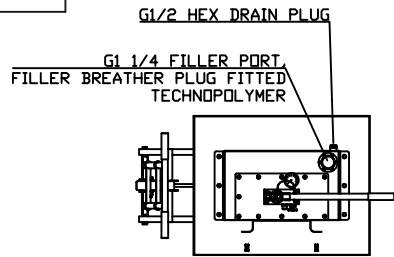
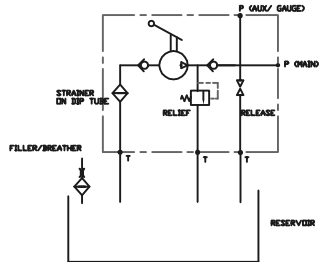
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

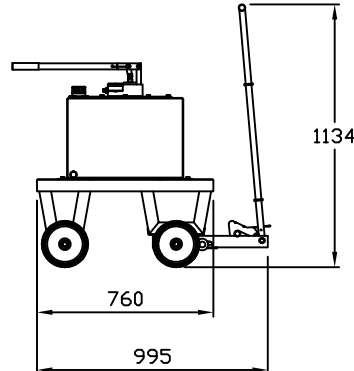
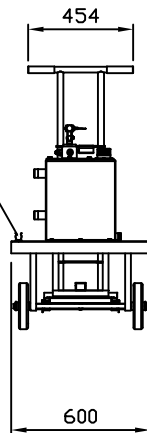
THIRD ANGLE PROJECTION



TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6h (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



DETACHABLE PUMP
HANDLE STOWED HERE

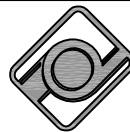


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- MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 316 STAINLESS STEEL 1.4404
 ALUMINIUM BRONZE CW307G
 SMALL AMOUNTS OF
 302,303,304,316,416,420,431 STAINLESS
 TROLLEY RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 UHMWP SWIVEL BEARING
 WHEEL THERMOPLASTIC RUBBER ON
 POLYPROPYLENE
 TECHNOPYLIMER FILLER/BREATHER
- NOMINAL CAPACITY 50 LITRES (13USG)
- THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE. MAXIMUM INTERNAL PRESSURE 0.3BARG
- APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 67.9KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- DIMENSIONS IN mm
- SPECIFICATION SUBJECT TO REVISION
- ATEX MODELS AVAILABLE, ADD -AX TO ORDER CODE. CONSULT FACTORY.

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 DIMENSIONS IN MILLIMETRES
 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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TITLE
 ILLUSTRATION MP-3 HANDPUMP ON 50L TURNABLE TROLLEY RES.

DRAWN	NATO	APP
		CHKD
SCALE	F	SIZE
		SHEET OF
CAD	2-D	MP-3-XX-5M

DRAWING NO.
MP-3-XX-5M

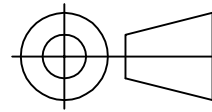
1	FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE
		DATE IMPLEMENTED

MATERIAL PER NOTES
 FINISH PER NOTES

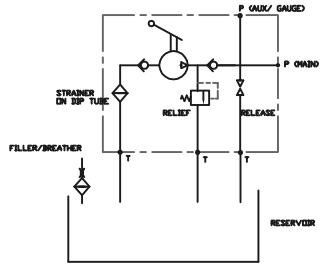
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

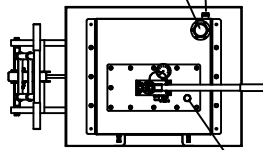
THIRD ANGLE PROJECTION



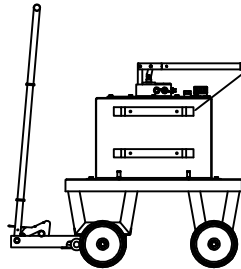
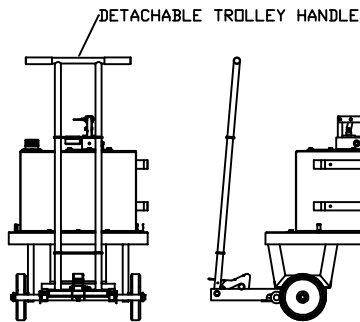
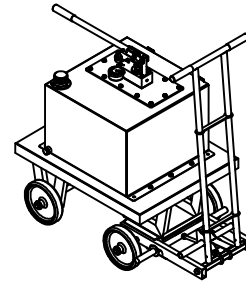
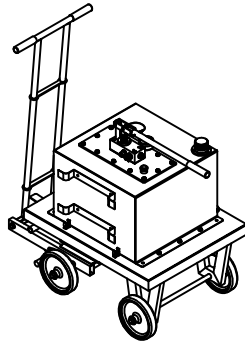
TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6h (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3



G1/2 HEX DRAIN PLUG
 G1 1/4 FILLER PORT,
 FILLER BREATHER PLUG FITTED
 TECHNOLPOLYMER

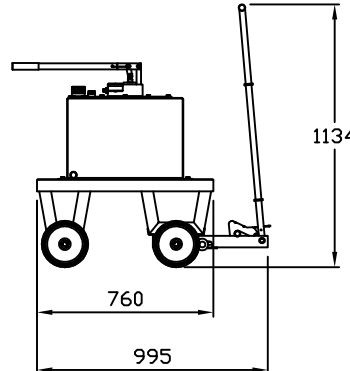
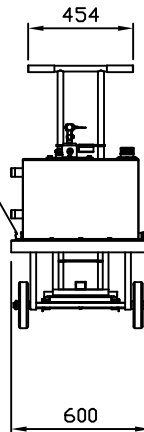


G1/2 AUX PORT, PLUGGED
 316 STAINLESS



HOSE STOWAGE
 AROUND THESE
 BRACKETS

DETACHABLE PUMP
 HANDLE STOWED HERE

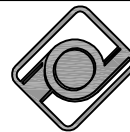


NOTES:

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- DRAWING SHOWS A TYPICAL REPRESENTATION OF AN MP-3 UNIT FITTED TO A 75L 4-WHEEL TURNABLE TROLLEY RESERVOIR
- MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 316 STAINLESS STEEL 1.4404
 ALUMINIUM BRONZE CW307G
 SMALL AMOUNTS OF
 302,303,304,316,416,420,431 STAINLESS
 TROLLEY RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 UHMWP SWIVEL BEARING
 WHEEL THERMOPLASTIC RUBBER ON
 POLYPROPYLENE
 TECHNOLPOLYMER FILLER/BREATHER
- NOMINAL CAPACITY 75 LITRES (19.8USG)
- THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE. MAXIMUM INTERNAL PRESSURE 0.3BARG
- APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 73.7KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- DIMENSIONS IN mm
- SPECIFICATION SUBJECT TO REVISION
- ATEX MODELS AVAILABLE, ADD -AX TO ORDER CODE. CONSULT FACTORY.

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 DIMENSIONS IN MILLIMETRES
 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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TITLE
 ILLUSTRATION MP-3 HANDPUMP ON 75L TURNABLE TROLLEY RES.

DRAWN NATO APP

CHKD

SCALE F SIZE SHEET OF

CAD 2-D MP-3-XX-7M

DRAWING NO.

MP-3-XX-7M

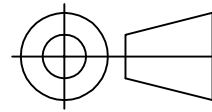
1	FIRST ISSUE	01/24	MATERIAL PER NOTES
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE	DATE IMPLEMENTED

FINISH PER NOTES

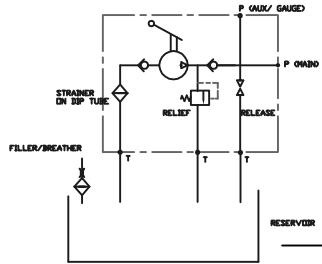
IF IN DOUBT, ASK

HYDRAULIC CIRCUIT FOR MICROPAC PUMP/RESERVOIR

THIRD ANGLE PROJECTION

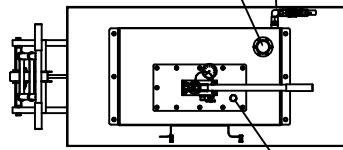


TOLERANCES UNLESS OTHERWISE STATED
 GENERAL TOLERANCES RIGHT ANGLE BENDS &
 NO DEC. PLACE +/-1.0mm OTHER ANGLES +/-1°
 ONE DEC. PLACE +/-0.3mm MACHINED DIAMETERS
 TWO DEC. PLACE +/-0.1mm CONCENTRIC WITHIN
 +/-0.1mm T.I.R.
 SCREW THREADS ARE ISO METRIC COARSE PITCH
 TOL. 6g/6h (MED. FIT) TO BS3643
 WIRE DIA./PLATE THICKNESS TO COMMERCIAL LIMITS
 GEOMETRICAL TOLERANCING TO BS308 PART 3

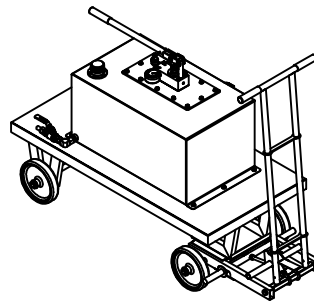
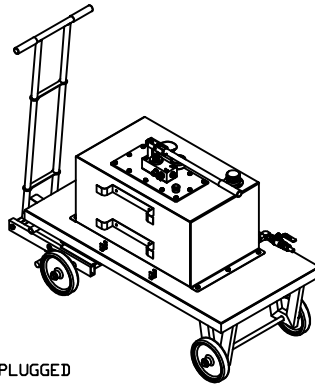


RESERVOIR
 DRAIN VALVE KIT
 001073700
 OR PLUG WITH G1/2 HEX PLUG

G1 1/4 FILLER PORT
 FILLER BREATHER PLUG FITTED
 TECHNOPOLYMER

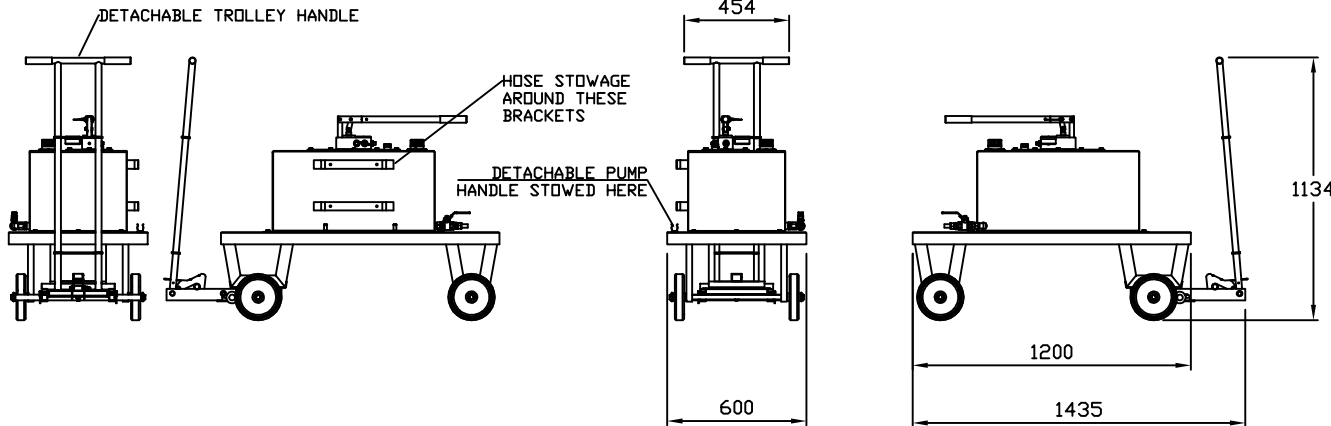


G1/2 AUX PORT, PLUGGED
 316 STAINLESS



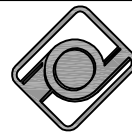
NOTES:

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- DRAWING SHOWS A TYPICAL REPRESENTATION OF AN MP-3 UNIT FITTED TO A 100L 4-WHEEL TURNABLE TROLLEY RESERVOIR
- MATERIALS OF CONSTRUCTION:
 HANDPUMP:
 316 STAINLESS STEEL 1.4404
 ALUMINIUM BRONZE CW307G
 SMALL AMOUNTS OF
 302,303,304,316,416,420,431 STAINLESS
 TROLLEY RESERVOIR:
 316 STAINLESS STEEL
 COPPER SEALING WASHERS ON PLUGS
 PVC GRIPS
 UHMWP SWIVEL BEARING
 WHEEL THERMOPLASTIC RUBBER ON
 POLYPROPYLENE
 TECHNOPOLYMER FILLER/BREATHER
- NOMINAL CAPACITY 100 LITRES (26USG)
- THE RESERVOIR IS NOT A PRESSURE VESSEL, IT MUST ALWAYS BE VENTED TO ATMOSPHERE. MAXIMUM INTERNAL PRESSURE 0.3BARG
- APPROXIMATE DRY WEIGHT, SUBJECT TO SPECIFIC MODEL
 89.3KG EXCL HANDLE
 450MM HANDLE 0.5KG EXTRA
 625MM HANDLE 0.7KG EXTRA
- FOLLOW MANUAL HANDLING GUIDELINES AND REGULATIONS
- DIMENSIONS IN mm
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 SURFACE FINISH IN MICROMETRES
 REMOVE SHARP EDGES

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TITLE
 ILLUSTRATION MP-3 HANDPUMP ON 100L TURNABLE TROLLEY RES.

DRAWN NATO APP

CHKD

SCALE F SIZE SHEET OF

CAD 2-D MP-3-XX-0M

DRAWING NO.

MP-3-XX-0M

1	FIRST ISSUE	01/24
ISSUE	D.C.N.	CHANGE DESCRIPTION & DATE
		DATE IMPLEMENTED

MATERIAL PER NOTES
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