

MINI DUCT DESILTER Mk2
002-220

SPECIFICATION:

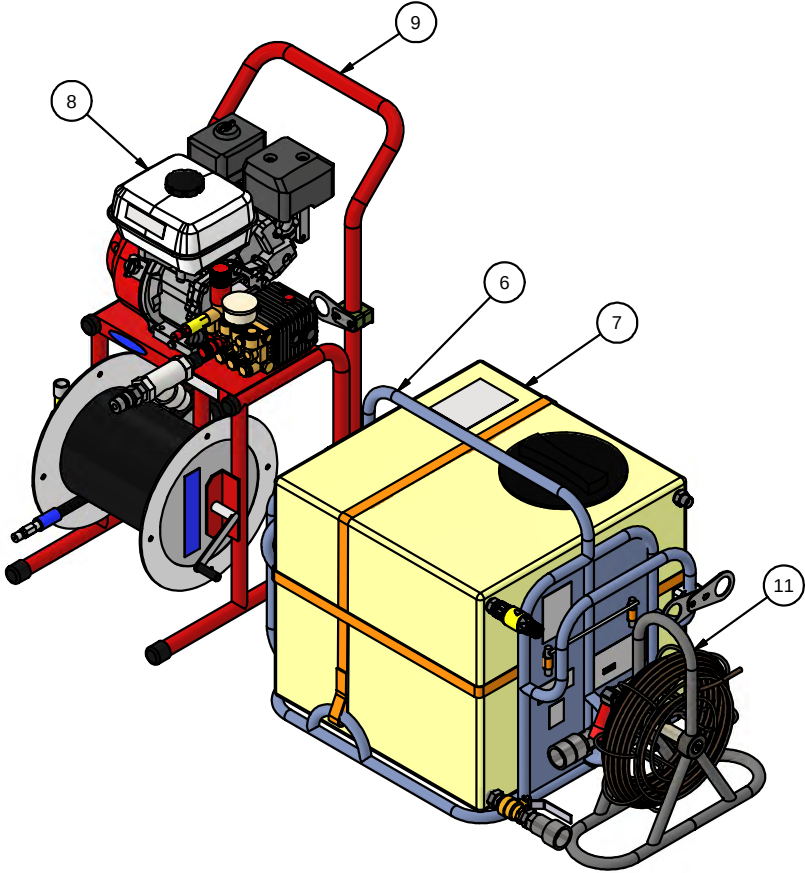
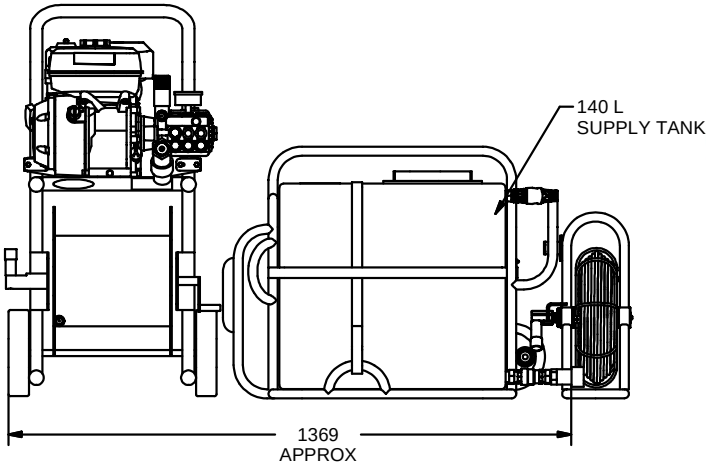
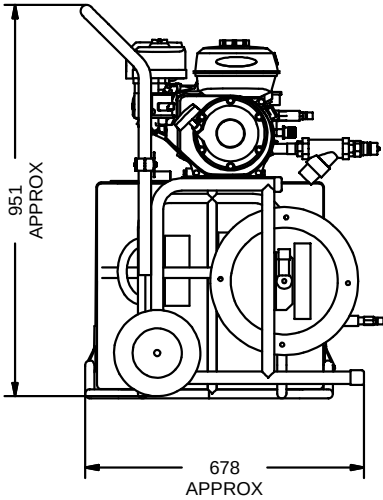
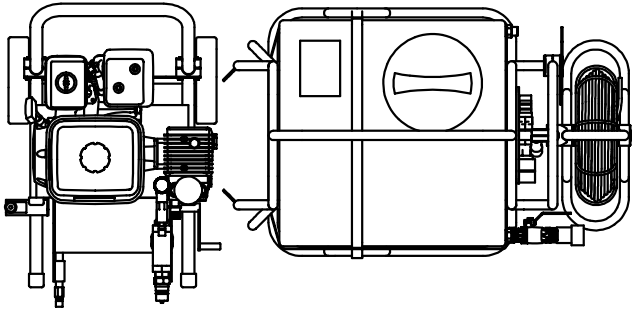
- a. 150 BAR
- b. 9 LPM
- c. JUMP JET
- d. PETROL
- e. JET 1/8" 3R1F

WEIGHT:

FRAME MOTOR & PUMP: aprx. 58.0 kg
MOTOR & PUMP: aprx. 26.0 kg
COMPLETE SYSTEM: aprx. 100.0 kg

APPROVALS	FLOWPLANT GROUP LTD	OPEN REACH	
SIGNED			
POSITION			
DATE			

ITEM	QTY	PART NUMBER	DESCRIPTION	SHEET
1	1	N/A	JET CLEANING TOOL	-
2	1	N/A	DOCUMENTATION PACK	-
3	1	055-1879	MINI DUCT DESILTER FEED HOSE	SHEET 8
4	1	055-1915	LINK HOSE ASSEMBLY - 2m	SHEET 8
5	1	055-1916	LINK HOSE ASSEMBLY - 2m	SHEET 8
6	1	700-2269	FRAME ASSEMBLY	SHEET 4
7	1	700-2270	TANK ASSEMBLY	SHEET 3
8	1	700-2271	PUMP & MOTOR ASSEMBLY	SHEET 5
9	1	700-2272x	HOSE REEL FRAME ASSEMBLY	SHEET 2
10	1	700-2273	FOOT VALVE ASSEMBLY	SHEET 6
11	1	700-2313	REMOTE HOSE REEL ASSY	SHEET 7
-	-	N/A	AVAILABLE SPARES	SHEET 10



2	030322/A	03/03/2022	TNG
1		08/03/2021	TNG
REV	DESCRIPTION	DATE	ENGINEER
REVISION HISTORY			

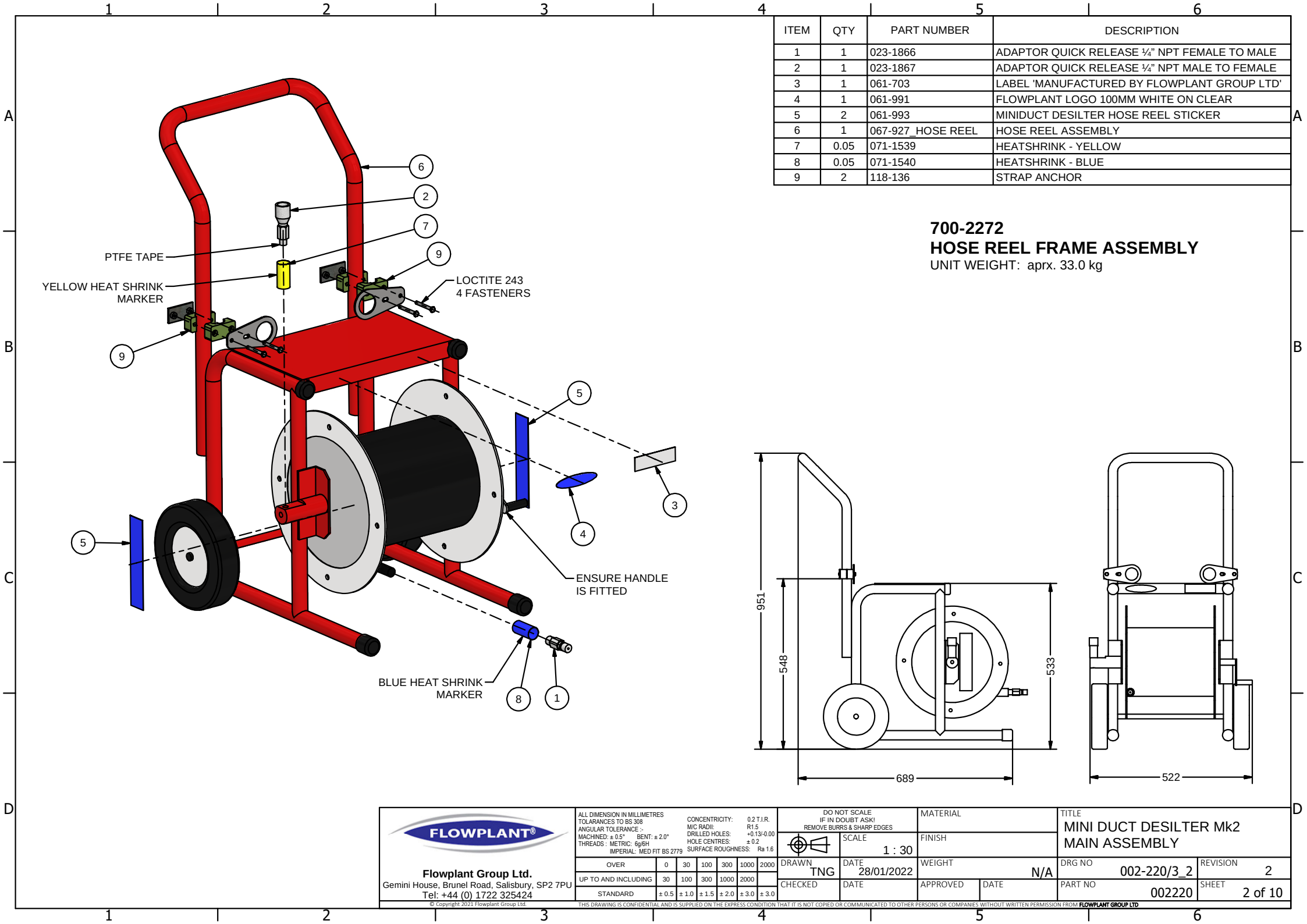
Flowplant Group Ltd.
Gemini House, Brunel Road, Salisbury, SP2 7PU
Tel: +44 (0) 1722 325424
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ALL DIMENSION IN MILLIMETRES TOLERANCES TO BS 908 ANGULAR TOLERANCE : MACHINED: ± 0.5° BENT: ± 2.0° THREADS : METRIC: 6g/6H IMPERIAL: MED FIT BS 2779					
CONCENTRICITY: 0.2 T.J.R. M/C RADII: R1.5 DRILLED HOLES: +0.13/-0.00 HOLE CENTRES: ± 0.2 SURFACE ROUGHNESS: Ra 1.6	OVER	0	30	100	300
		1000	2000		
UP TO AND INCLUDING	30	100	300	1000	2000
STANDARD	± 0.5	± 1.0	± 1.5	± 2.0	± 3.0

DO NOT SCALE IF IN DOUBT ASK! REMOVE BURRS & SHARP EDGES	
DRAWN TNG	DATE 28/01/2022
CHECKED	DATE

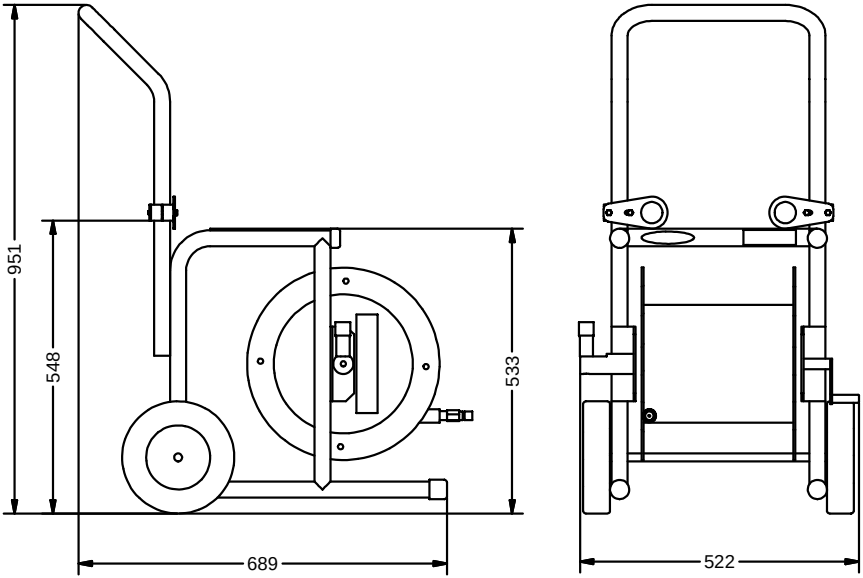
MATERIAL	
FINISH	
WEIGHT	N/A
APPROVED	DATE

TITLE MINI DUCT DESILTER Mk2 MAIN ASSEMBLY			
DRG NO	002-220/3 2	REVISION	2
PART NO	002220	SHEET	1 of 10

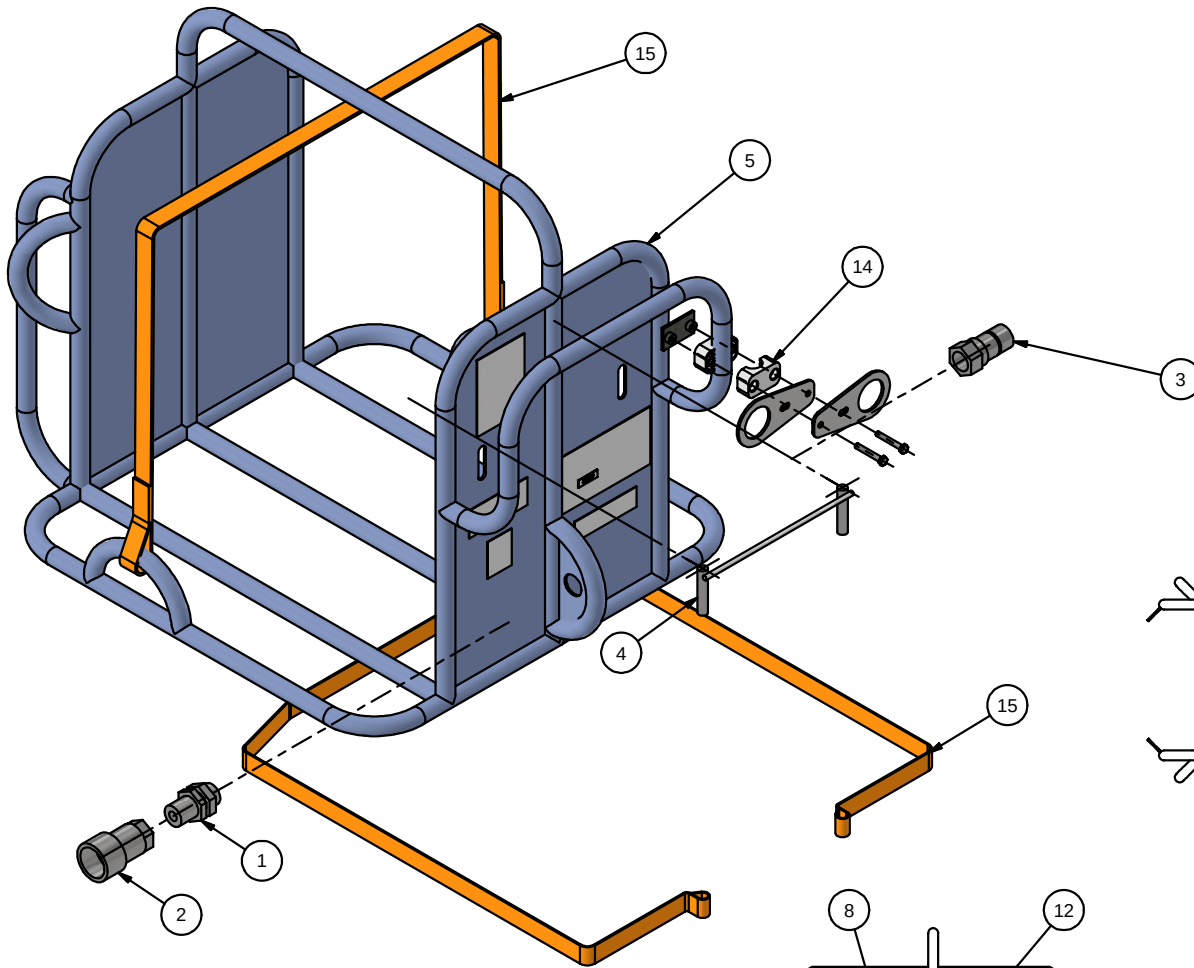


ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	023-1866	ADAPTOR QUICK RELEASE ¼" NPT FEMALE TO MALE
2	1	023-1867	ADAPTOR QUICK RELEASE ¼" NPT MALE TO FEMALE
3	1	061-703	LABEL 'MANUFACTURED BY FLOWPLANT GROUP LTD'
4	1	061-991	FLOWPLANT LOGO 100MM WHITE ON CLEAR
5	2	061-993	MINIDUCT DESILTER HOSE REEL STICKER
6	1	067-927_HOSE REEL	HOSE REEL ASSEMBLY
7	0.05	071-1539	HEATSHRINK - YELLOW
8	0.05	071-1540	HEATSHRINK - BLUE
9	2	118-136	STRAP ANCHOR

700-2272
HOSE REEL FRAME ASSEMBLY
UNIT WEIGHT: aprx. 33.0 kg

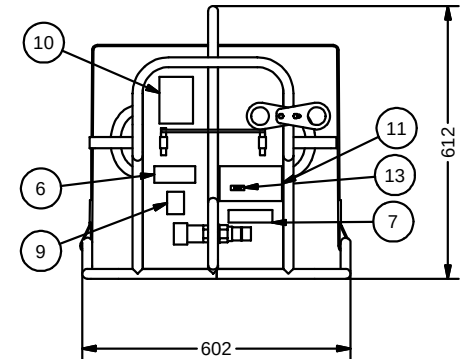
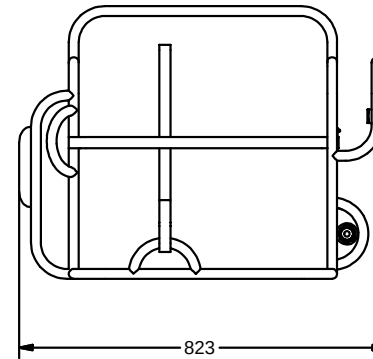
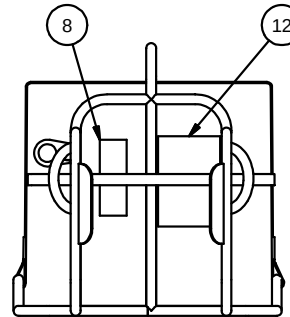
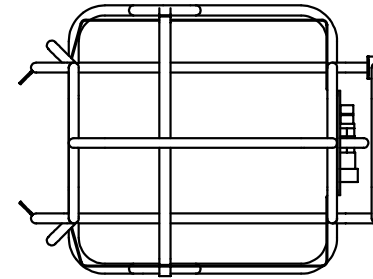


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		OVER		0	30	100	300	1000	2000	DRAWN TNG		DATE 28/01/2022		WEIGHT N/A		DRG NO 002-220/3_2		REVISION 2			
UP TO AND INCLUDING		30	100	300	1000	2000			CHECKED		DATE		APPROVED	DATE	PART NO 002220		SHEET 2 of 10				
STANDARD		± 0.5	± 1.0	± 1.5	± 2.0	± 3.0	± 3.0	THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT COPIED OR COMMUNICATED TO OTHER PERSONS OR COMPANIES WITHOUT WRITTEN PERMISSION FROM FLOWPLANT GROUP LTD													

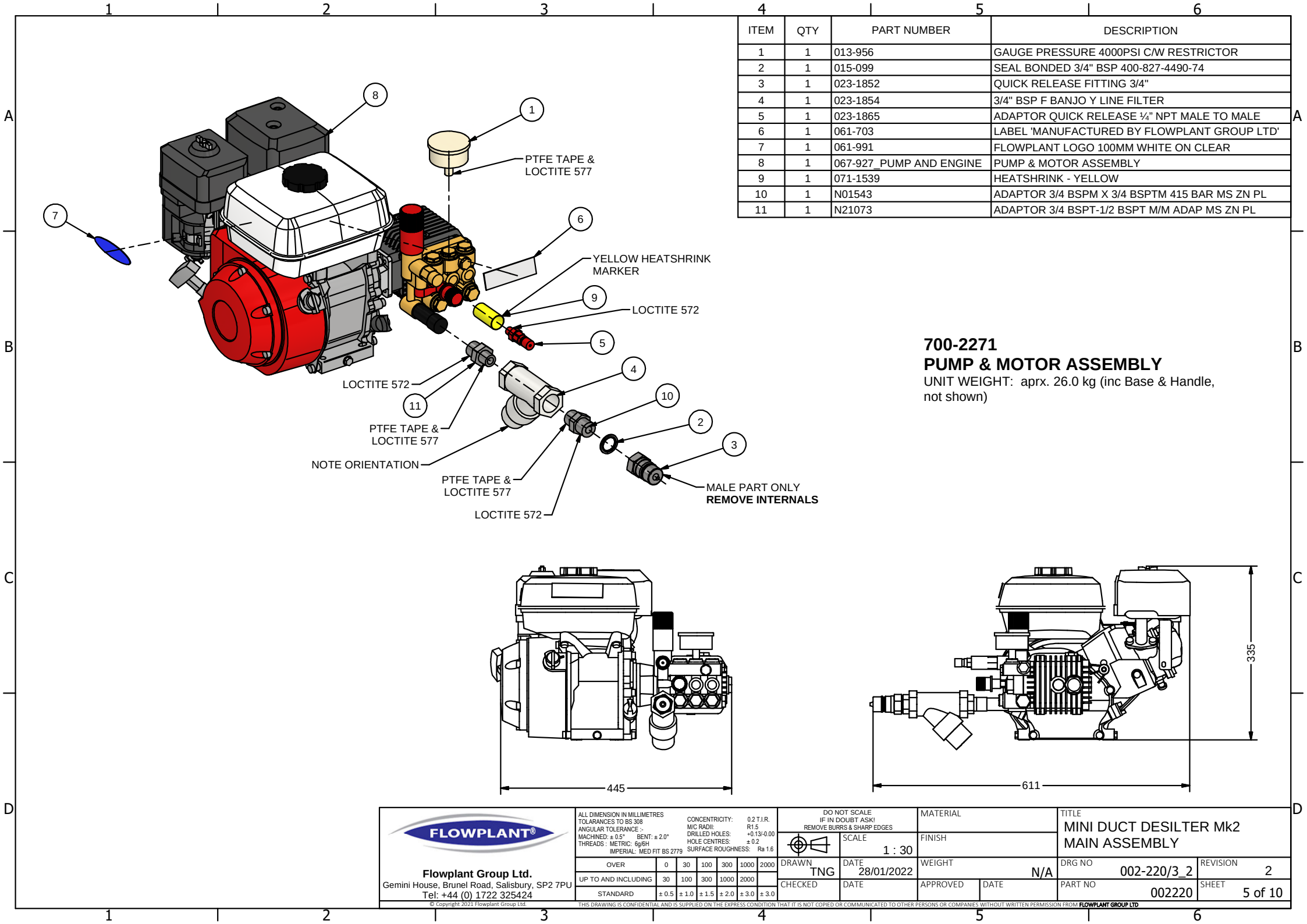


ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	023-273	ADAPTOR 3/4" BSP B'HEAD
2	1	023-1852_FEMALE	ADAPTOR 3/4" BSPF QUICK RELEASE FEMALE
3	1	023-1852_MALE	ADAPTOR 3/4" BSPF QUICK RELEASE MALE
4	1	042-3538_1	STRAP ANCHOR
5	1	044-560	WATER TANK FRAME
6	1	061-635	LABEL WARNING! MACHINE OPERATION
7	1	061-703	LABEL 'MANUFACTURED BY FLOWPLANT GROUP LTD'
8	1	061-841	LABEL PERSONAL PROTECTIVE EQUIPMENT
9	1	061-851	LABEL 'BRITISH INDUSTRY'
10	1	061-880	PEEL AWAY SAFETY STICKER
11	1	061-994	MINI DESILTER QR CODE
12	1	061-995	MINI DUCT DESILTER OPERATION STICKER
13	1	061-1000	LABEL 'BRITISH INDUSTRY'
14	1	118-135	STRAP ANCHOR
15	2	A190821	RATCHET STRAP

700-2269
FRAME ASSEMBLY
UNIT WEIGHT: aprx. 13.8 kg

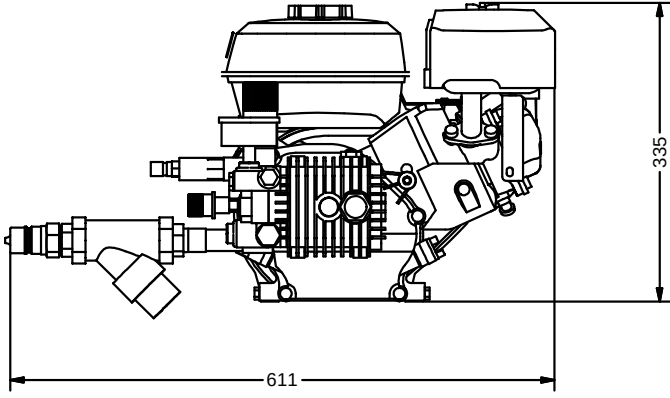
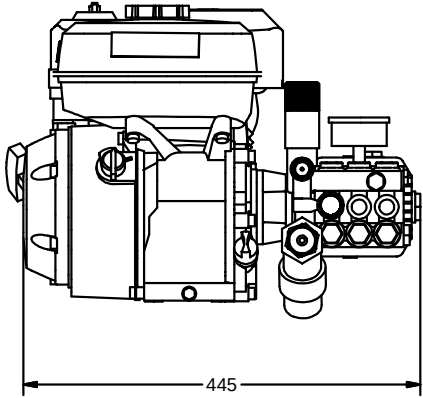


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		OVER		0	30	100	300	1000	2000		SCALE 1 : 30	FINISH	WEIGHT	DRG NO 002-220/3_2	REVISION 2		
		UP TO AND INCLUDING		30	100	300	1000	2000									
STANDARD		± 0.5	± 1.0	± 1.5	± 2.0	± 3.0	± 3.0		DATE 28/01/2022	DATE	APPROVED	DATE	PART NO 002220	SHEET 4 of 10			
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ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	013-956	GAUGE PRESSURE 4000PSI C/W RESTRICTOR
2	1	015-099	SEAL BONDED 3/4" BSP 400-827-4490-74
3	1	023-1852	QUICK RELEASE FITTING 3/4"
4	1	023-1854	3/4" BSP F BANJO Y LINE FILTER
5	1	023-1865	ADAPTOR QUICK RELEASE 1/2" NPT MALE TO MALE
6	1	061-703	LABEL 'MANUFACTURED BY FLOWPLANT GROUP LTD'
7	1	061-991	FLOWPLANT LOGO 100MM WHITE ON CLEAR
8	1	067-927	PUMP AND ENGINE
9	1	071-1539	HEATSHRINK - YELLOW
10	1	N01543	ADAPTOR 3/4 BSPM X 3/4 BSPTM 415 BAR MS ZN PL
11	1	N21073	ADAPTOR 3/4 BSPT-1/2 BSPT M/M ADAP MS ZN PL

700-2271
PUMP & MOTOR ASSEMBLY
UNIT WEIGHT: aprx. 26.0 kg (inc Base & Handle, not shown)





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TOLERANCES TO BS 908
ANGULAR TOLERANCE :
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THREADS : METRIC: 6g/6H
IMPERIAL: MED FIT BS 2779

CONCENTRICITY: 0.2 T.I.R.
M/C RADII: R1.5
DRILLED HOLES: +0.13/-0.00
HOLE CENTRES: ± 0.2
SURFACE ROUGHNESS: Ra 1.6

OVER	0	30	100	300	1000	2000
UP TO AND INCLUDING	30	100	300	1000	2000	
STANDARD	± 0.5	± 1.0	± 1.5	± 2.0	± 3.0	± 3.0

DO NOT SCALE
IF IN DOUBT ASK!
REMOVE BURRS & SHARP EDGES



SCALE 1 : 30

DRAWN TNG
CHECKED

DATE 28/01/2022
DATE

MATERIAL

FINISH

WEIGHT

APPROVED

DATE

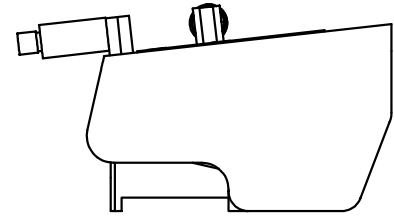
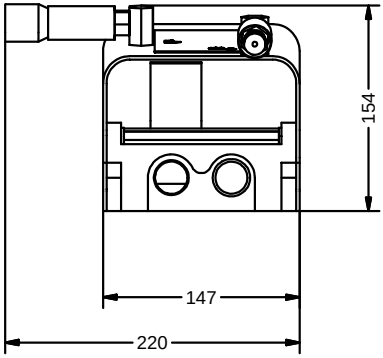
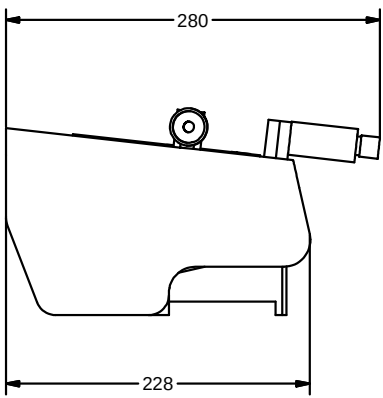
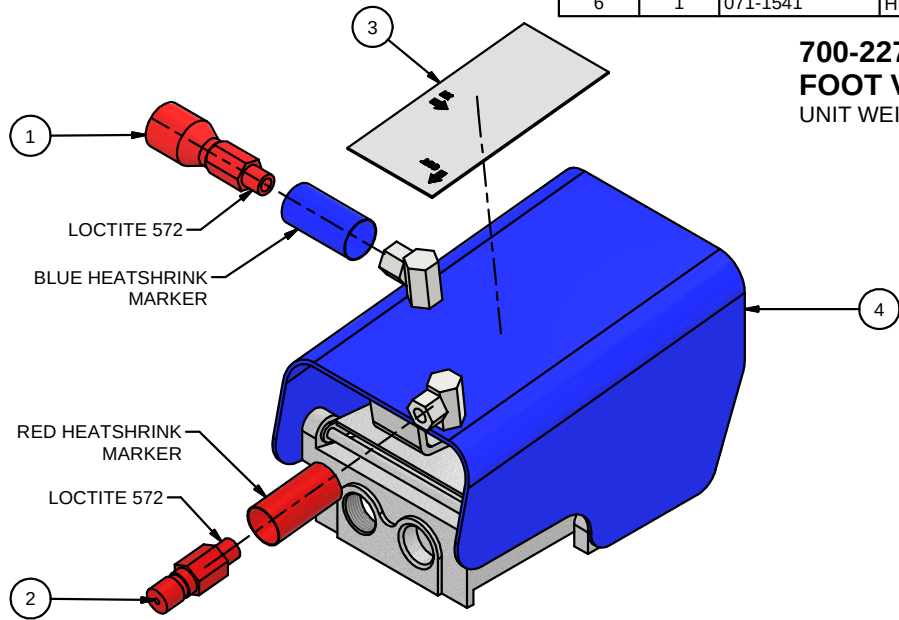
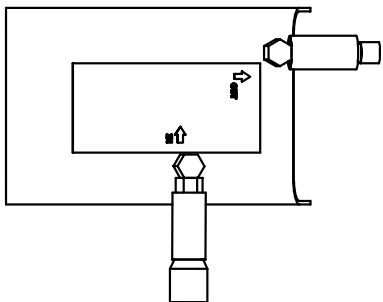
TITLE
MINI DUCT DESILTER Mk2
MAIN ASSEMBLY

DRG NO	002-220/3 2	REVISION	2
PART NO	002220	SHEET	5 of 10

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ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	023-1868	ADAPTOR QUICK RELEASE ¼" BSP MALE TO FEMALE
2	1	023-1869	ADAPTOR QUICK RELEASE ¼" BSP MALE TO MALE
3	1	061-992	FOOT PEDAL LABEL
4	1	067-927_FV	FOOT VALVE
5	1	071-1540	HEATSHRINK - BLUE
6	1	071-1541	HEATSHRINK - RED

700-2273
FOOT VALVE ASSEMBLY
UNIT WEIGHT: aprx. 3.4 kg





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TOLERANCES TO BS 908
ANGULAR TOLERANCE :
MACHINED: ± 0.5° BENT: ± 2.0°
THREADS : METRIC: 6g/6H
IMPERIAL: MED FIT BS 2779

CONCENTRICITY: 0.2 T.I.R.
M/C RADII: R1.5
DRILLED HOLES: +0.13/-0.00
HOLE CENTRES: ± 0.2
SURFACE ROUGHNESS: Ra 1.6

OVER	0	30	100	300	1000	2000
UP TO AND INCLUDING	30	100	300	1000	2000	
STANDARD	± 0.5	± 1.0	± 1.5	± 2.0	± 3.0	± 3.0

DO NOT SCALE
IF IN DOUBT ASK!
REMOVE BURRS & SHARP EDGES

 SCALE 1 : 30

DRAWN	DATE	WEIGHT
TNG	28/01/2022	N/A
CHECKED	DATE	APPROVED

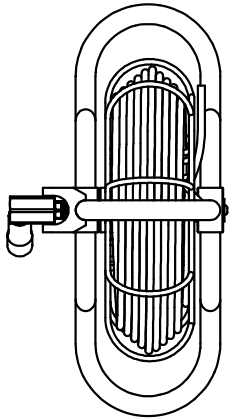
MATERIAL

FINISH

DATE

TITLE
MINI DUCT DESILTER Mk2
MAIN ASSEMBLY

DRG NO	002-220/3_2	REVISION	2
PART NO	002220	SHEET	6 of 10

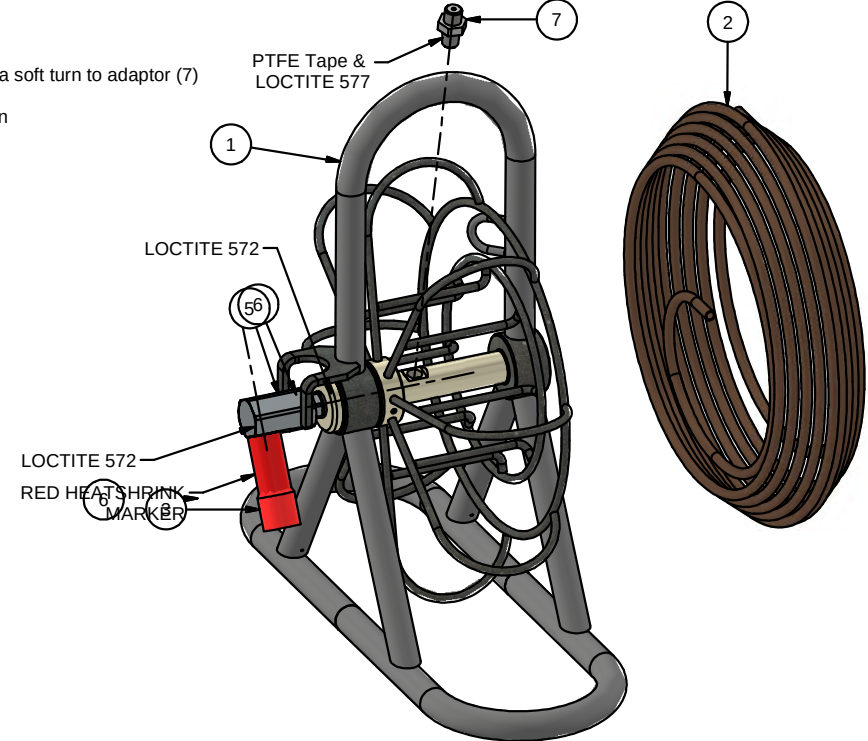
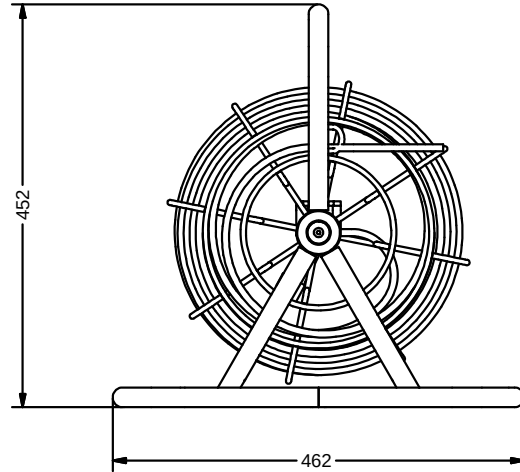
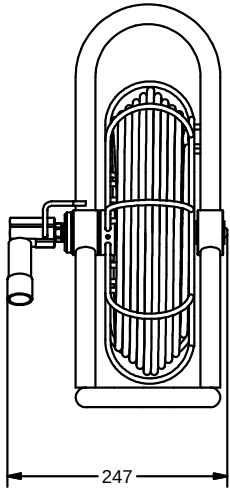


700-2313 REMOTE HOSE ASSEMBLY

UNIT WEIGHT: aprx. 6.5 kg (inc Hose)

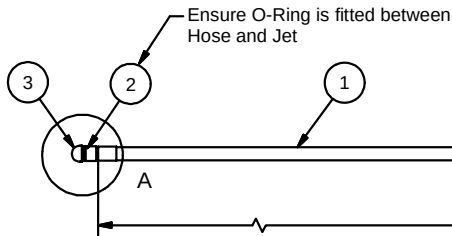
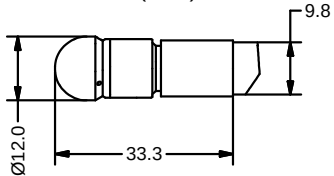
HOSE INSTALLATION

- Feed hose tail though guide loop
- Secure hose to adaptor (7)
- Coil on 2 turns, using a pushing action
- Secure 2 turns to spokes with cable ties, with a soft turn to adaptor (7)
- Trim cable ties
- Coil on remaining hose, using a pushing action



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	048-148	MANUAL - 1/4" HOSE
2	1	055-1910	HOSE ASSEMBLY 1/4" - 20m
3	1	023-1868	ADAPTOR QUICK RELEASE 1/4" BSP MALE TO FEMALE
5	1	023-1880	ROTARY JOINT 90deg - 1/4" BSP
6	2	033-012	
7	1	023-1194	ADAPTER 1/4" NPTM x 1/4" BSPM
8	1	071-1541	HEATSHRINK - RED

A (1:1)



055-1910 HOSE ASSEMBLY 1/4" - 20m

UNIT WEIGHT: aprx. 2.0 kg

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	055-1909	250bar 1/4" BSP SV 1/8" BSPM
2	1	056-1217	O-RING
3	1	056-1222	3x0.75mm Rear 1 Forward 30deg



ALL DIMENSION IN MILLIMETRES TOLERANCES TO BS 908 ANGULAR TOLERANCE -: MACHINED: ± 0.5° BENT: ± 2.0° THREADS: METRIC: 6g/6H IMPERIAL: MED FIT BS 2779					
CONCENTRICITY: M/C RADII: DRILLED HOLES: HOLE CENTRES: SURFACE ROUGHNESS: Ra 1.6	0.2 T.I.R. R1.5 +0.13/-0.00 ± 0.2	0	30	100	300
		1000	2000		
UP TO AND INCLUDING	30	100	300	1000	2000
STANDARD	± 0.5	± 1.0	± 1.5	± 2.0	± 3.0

DO NOT SCALE IF IN DOUBT ASK! REMOVE BURRS & SHARP EDGES	
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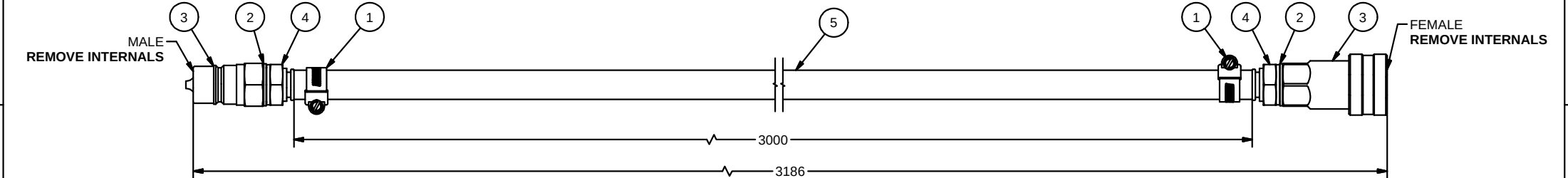
MATERIAL	FINISH
WEIGHT	N/A
APPROVED	DATE

TITLE MINI DUCT DESILTER Mk2 MAIN ASSEMBLY			
DRG NO 002-220/3_2	REVISION 2	PART NO 002220	SHEET 7 of 10

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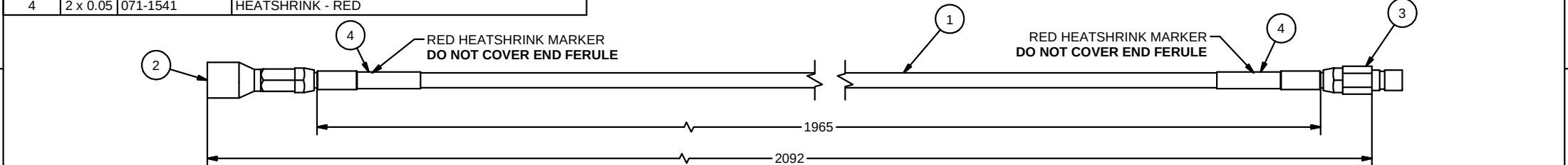
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	013-064	HOSE CLIP DIA 30-50 JCS HI-TORQUE
2	2	015-099	SEAL BONDED 3/4" BSP 400-827-4490-74
3	1	023-1852	QUICK RELEASE FITTING 3/4"
4	2	023-1853	ADAPTOR 3/4" BSPM HOSE TAIL INSERT
5	3	055-1878	HOSE 3/4" TRICOFLEX

055-1879
FEED HOSE ASSEMBLY - 3m
 UNIT WEIGHT: aprx. 1.8 kg



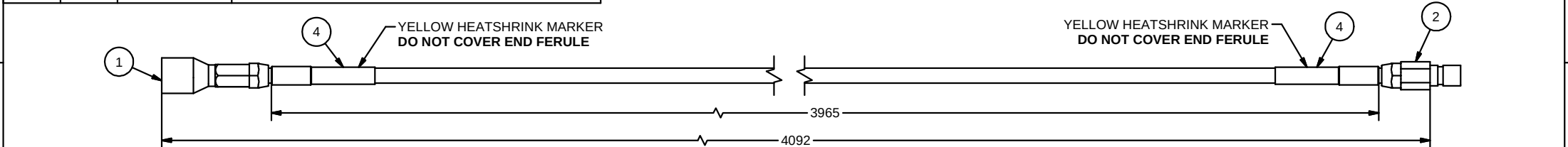
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	055-1914	HOSE 1/4" THERMOPLASTIC - 2m
2	1	023-1868	ADAPTOR QUICK RELEASE 1/4" BSP MALE TO FEMALE
3	1	023-1869	ADAPTOR QUICK RELEASE 1/4" BSP MALE TO MALE
4	2 x 0.05	071-1541	HEATSHRINK - RED

055-1915
LINK HOSE ASSEMBLY 1/4" - 2m
 UNIT WEIGHT: aprx. 0.6 kg



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	023-1868	ADAPTOR QUICK RELEASE 1/4" BSP MALE TO FEMALE
2	1	023-1869	ADAPTOR QUICK RELEASE 1/4" BSP MALE TO MALE
3	1	055-1882	HOSE 1/4" THERMOPLASTIC - 2m
4	2 x 0.05	071-1539	HEATSHRINK - YELLOW

055-1916
LINK HOSE ASSEMBLY 1/4" - 4m
 UNIT WEIGHT: aprx. 0.6 kg



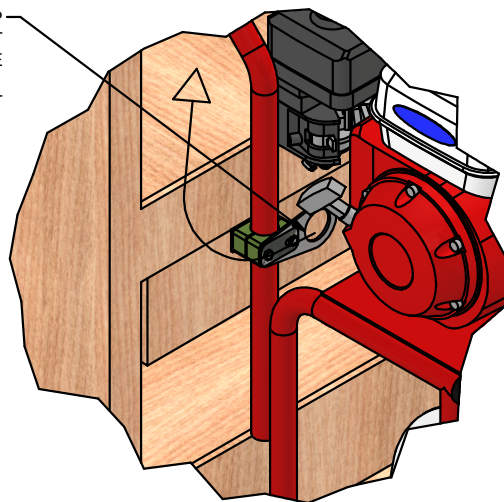


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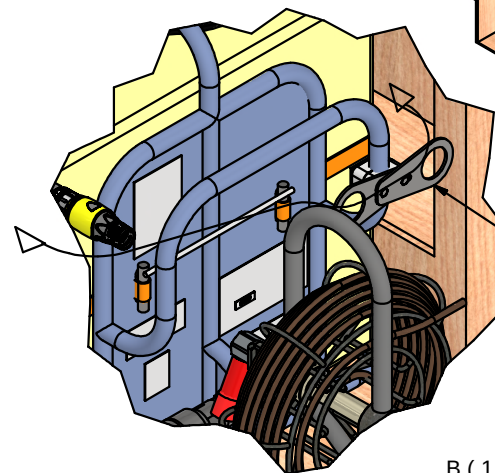
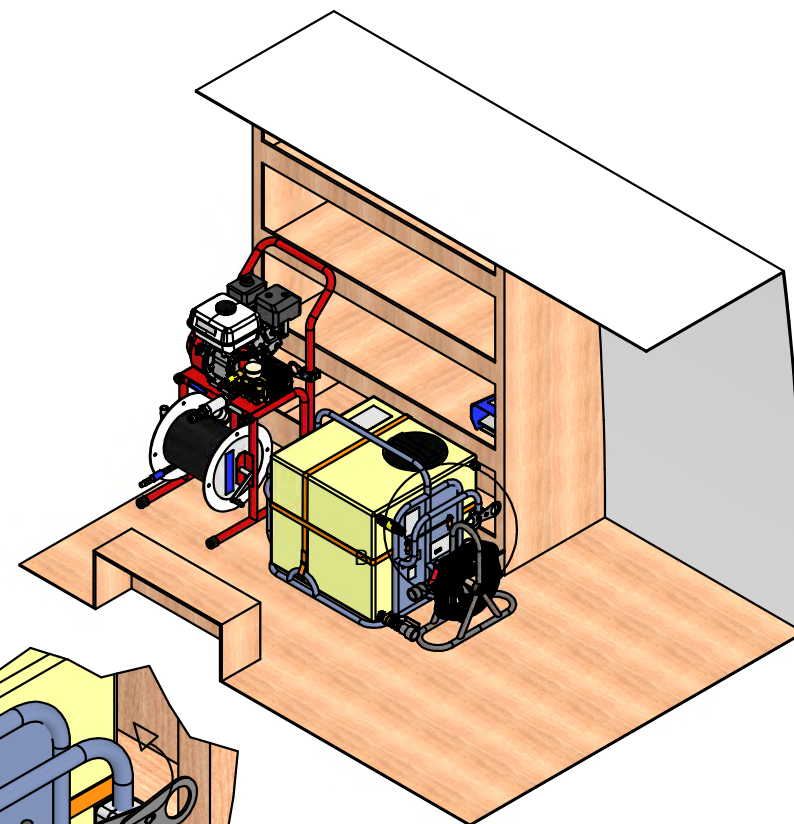
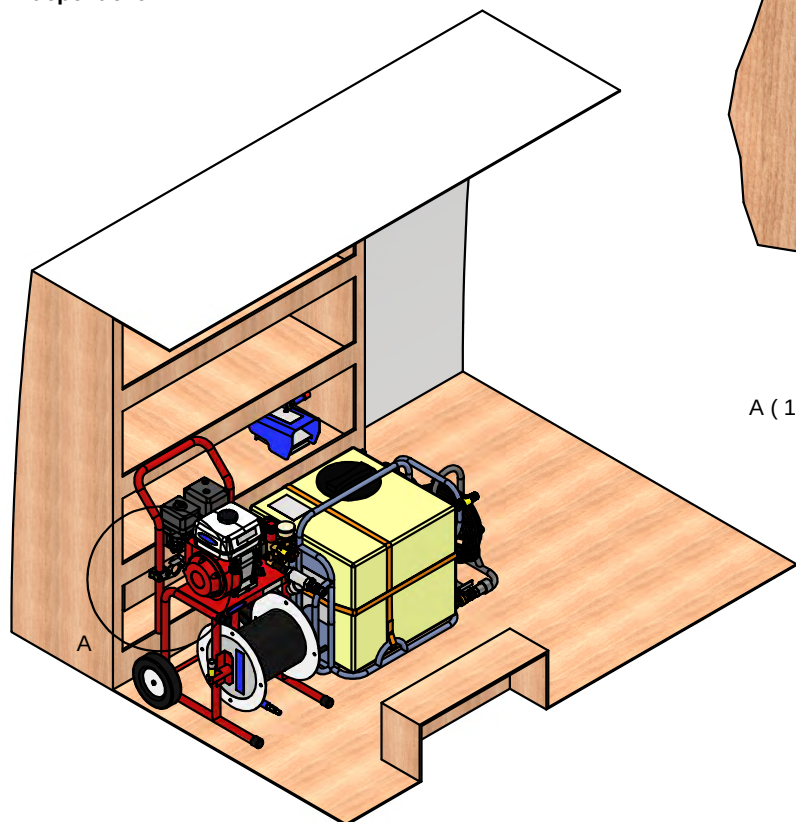
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OVER					0 30 100 300 1000 2000					DRAWN TNG		DATE 28/01/2022		FINISH N/A		DRG NO 002-220/3 2	
UP TO AND INCLUDING					30 100 300 1000 2000					CHECKED		DATE		APPROVED		REVISION 2	
STANDARD					± 0.5 ± 1.0 ± 1.5 ± 2.0 ± 3.0 ± 3.0									PART NO 002220		SHEET 8 of 10	

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RATCHET STRAP
ANCHOR POINT
- BOTH SIDES OF FRAME
- TIE BACK THROUGH
SUITABLE ANCHOR POINT



A (1 : 6)



RATCHET STRAP
 ANCHOR POINT
 - TIE BACK THROUGH
 SUITABLE ANCHOR POINT

B (1 : 6)

 Flowplant Group Ltd. Gemini House, Brunel Road, Salisbury, SP2 7PU Tel: +44 (0) 1722 325424	ALL DIMENSION IN MILLIMETRES TOLERANCES TO BS 308 ANGULAR TOLERANCE - MACHINED: $\pm 0.5^\circ$ BENT: $\pm 2.0^\circ$ THREADS: METRIC: 6g/6H IMPERIAL: MED FIT BS 2779						CONCENTRICITY: M/C RADII: DRILLED HOLES: HOLE CENTRES: ± 0.2 SURFACE ROUGHNESS: Ra 1.6		0.2 T.I.R. R1.5 $\pm 0.13/0.00$ ± 0.2		DO NOT SCALE IF IN DOUBT ASK! REMOVE BURRS & SHARP EDGES		MATERIAL		TITLE					
									SCALE 1 : 30		FINISH		MINI DUCT DESILTER Mk2 MAIN ASSEMBLY							
	OVER						0	30	100	300	1000	2000	DRAWN TNG		DATE 28/01/2022	WEIGHT	N/A		DRG NO 002-220/3_2	REVISION 2
	UP TO AND INCLUDING						30	100	300	1000	2000		CHECKED		DATE	APPROVED	DATE	PART NO 002220	SHEET 9 of 10	
	STANDARD						± 0.5	± 1.0	± 1.5	± 2.0	± 3.0	± 3.0								
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