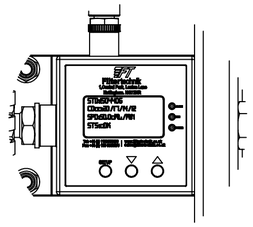
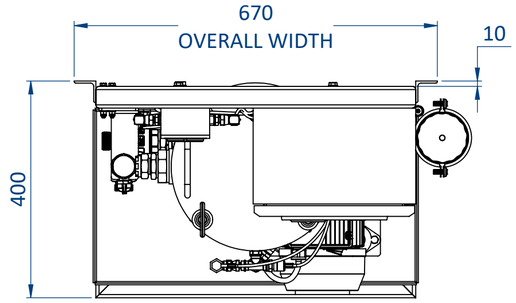
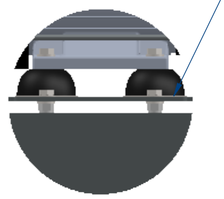
PC9001-3-2 PARTICLE MONITOR



A (1 : 2)



PLAN VIEW



B (1 : 4)

4 X
FITTED TO PUMP FIXTURE
HIGH DEFLECTION MOTOR MOUNT



MAINS POWER C13 IEC LOCK



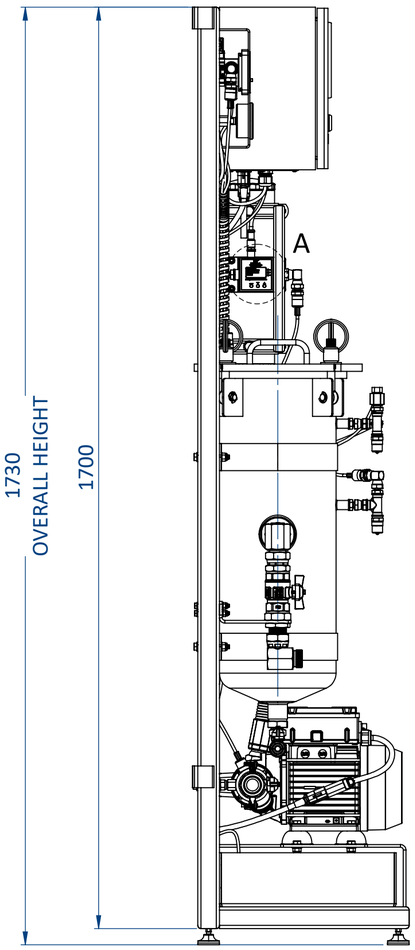
MOTOR POWER C14 IEC LOCK

ALARM FUNCTIONS

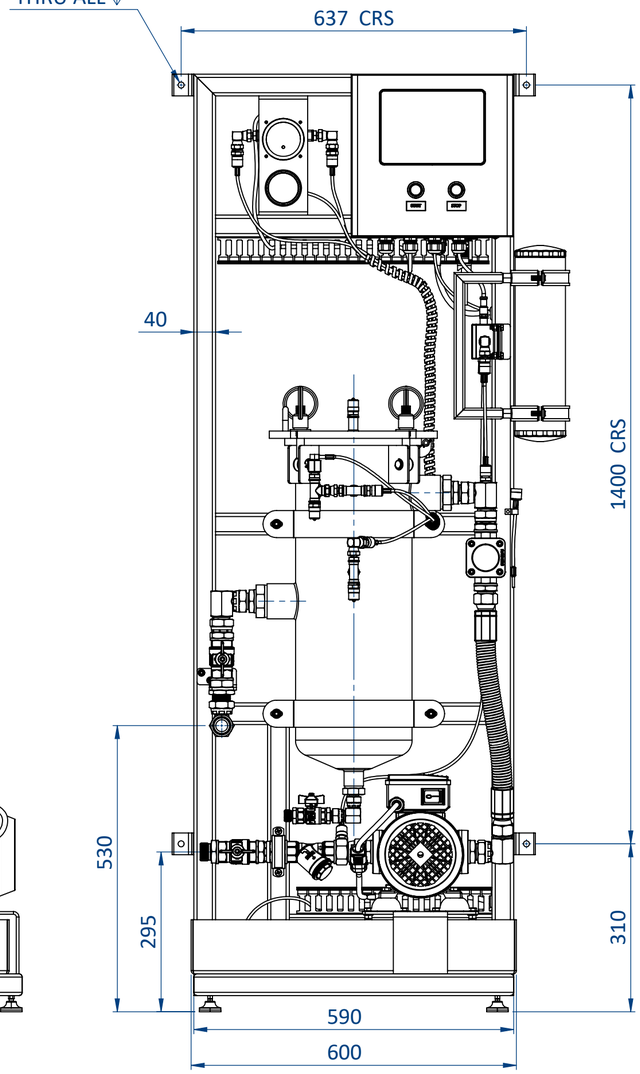
FUEL IN BUND
OVERLOAD TRIPPED
FILTER BLOCKED

COMPONENT IDENTIFICATION

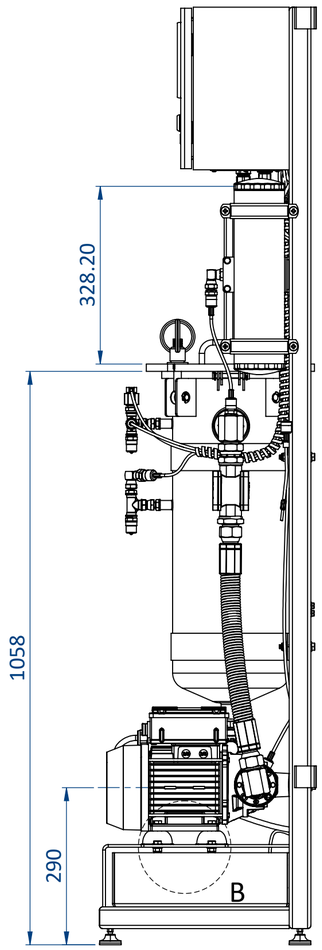
No	PART DESCRIPTION
1	DIFFERENTIAL PRESSURE GAUGE & SWITCH
2	SYSTEM PRESSUREE GAUGE
3	CONTROL PANEL WITH TOUCH SCREEN & C13 SOCKET FOR MAINS
4	PC9001-3-2 PARTICLE MONITOR
5	OUTLET ISOLATION BALL VALVE
6	OUTLET CONNECTION 1" BSPP MALE CONNECTION
7	FILTER DRAIN PORT 1/2" BSPP MALE C/W BALL VALVE ISOLATION
8	INLET CONNECTION 1" BSPP MALE CONNECTION
9	INLET ISOLATION BALL VALVE
10	BUND FLOAT SWITCH
11	IN-LINE Y-STRAINER
12	100 L/MIN VANE PUMP - C/W C14 IEC LOCKING CONNECTOR
13	POST-FILTRATION SAMPLE POINT - 1620 TEST POINT
14	1" VISUAL SIGHT GLASS
15	PRE -FILTRATION SAMPLE POINT - 1620 TEST POINT
16	SIZE 1 BAG FILTER VESSEL
17	FILTER VENT PORT - MINIMESS 1620 TEST POINT
18	A4 DOCUMENT HOLDER



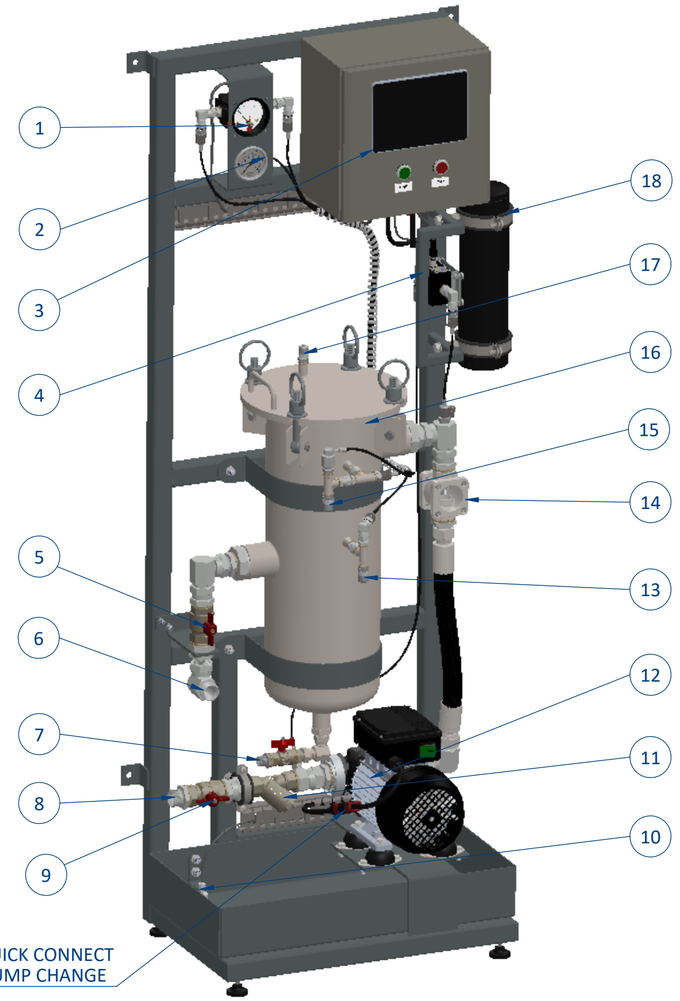
SIDE VIEW LEFT



FRONT VIEW



SIDE VIEW RIGHT



GENERAL TOLERANCES UNLESS OTHERWISE STATED - TO COMPLY WITH BS EN 22768:1993 - DO NOT SCALE DRAWING - IF IN DOUBT ASK

GEOMETRIC TOLERANCES

	MACHINED	FABRICATED
TOTAL RUNOUT	0.2mm	
SYMMETRY	0.2mm	1.0mm
FLATNESS		
0mm > x ≤ 1000mm	0.2mm	2.0mm
1000mm > x ≤ 6000mm	0.4mm	4.0mm
PERPENDICULARITY		
0mm > x ≤ 1000mm	0.2mm	1.0mm
1000mm > x ≤ 3000mm	0.4mm	4.0mm

FABRICATION FEATUERS - Class c

0mm > x ≤ 500mm	= ± 1mm
500mm > x ≤ 1000mm	= ± 2mm
1000mm > x ≤ 2000mm	= ± 3mm
2000mm > x ≤ 3000mm	= ± 4mm
3000mm > x ≤ 5000mm	= ± 5mm

MACHINED FEATUERS - Class m

0mm > x ≤ 6mm	= ± 0.1mm
6mm > x ≤ 30mm	= ± 0.2mm
30mm > x ≤ 120mm	= ± 0.3mm
120mm > x ≤ 400mm	= ± 0.5mm
400mm > x ≤ 1000mm	= ± 0.8mm
1000mm > x ≤ 2000mm	= ± 1.2mm
2000mm > x ≤ 4000mm	= ± 2.0mm

HOLE CENTRES ± 0.4mm
ANGULAR TOLERANCE ± 1°
SURFACE TO BE MACHINED 1.6µm
ALL THREADS TO BE COARSE - 6H / 6g
SURFACE TEXTURE WHERE SPECIFIED IS IN µm
UNLESS STATED DIMESNIONS IN MILLIMETRES
REMOVE ALL BURRS AND SHARP EDGES

THIRD ANGLE PROJECTION

Filtertechnik
Filtration, Purification & Separation Solutions
1 CENTRAL PARK, LENTON LANE, NOTTINGHAM. NG7 2NR.
TEL: 0115 900 3600
WWW.FILTERTECHNIK.CO.UK

	NAME	DATE
DRAWN	IL	05/01/2026
CHK'D	DW	05/01/2026

MATERIAL: PLAIN CARBON STEEL FRAME

FINISH: POWDER COATED: RAL TBC

MASS: 85 Kg GRAMS

DRAWING TITLE
Static Filtration System-240 VAC-50Hz

PART NO. FRB-93127-UC

REVISION 005

SCALE:1:8 | SHEET 1 OF 1 | A2