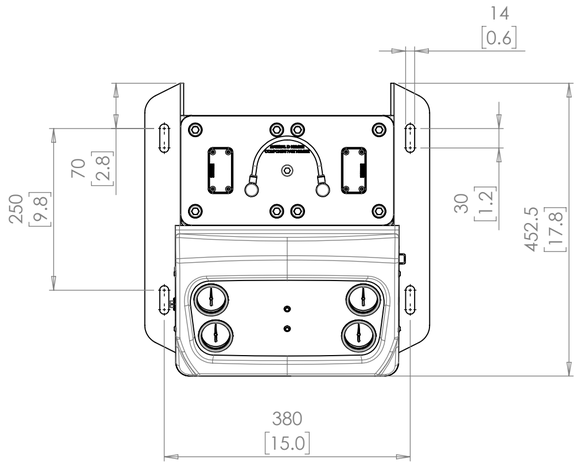
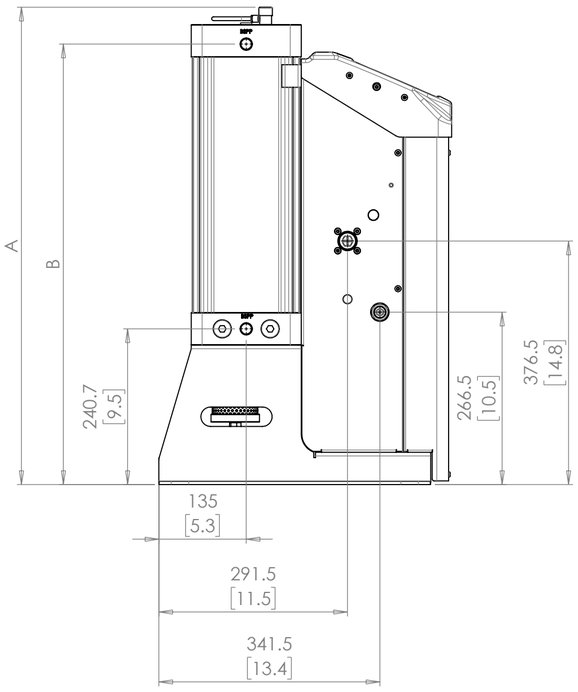
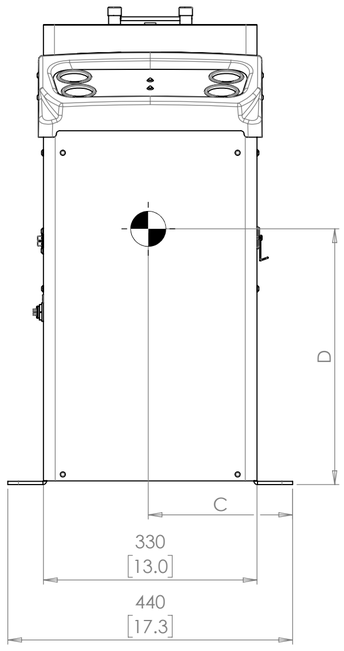
KEY FEATURES			
NUMBER	**DESCRIPTION**	**NUMBER**	**DESCRIPTION**
1	COMPRESSED AIR INLET	**9**	NITROGEN OUTLET TO PROCESS PRESSURE GAUGE
2	NITROGEN TO BUFFER/MIXING VESSEL	**10**	GREEN POWER INDICATOR
3	NITROGEN FROM BUFFER/MIXING VESSEL	**11**	RED INLET PRESSURE/SERVICE ALARM INDICATOR
4	NITROGEN OUTLET TO PROCESS	**12**	IEC MAINS POWER SOCKET
5	MASS FLOW CONTROLLER (IF FITTED) ADJUSTMENT ACCESS	**13**	REMOTE STOP/START - CUSTOMER FIT OPTION (M16 CABLE-GLAND KNOCK-OUT)
6	COMPRESSED AIR INLET PRESSURE GAUGE	**14**	PURGE CONTROL VALVES
7	COLUMN 'A' PRESSURE GAUGE	**15**	NRV ACCESS PLATES
8	COLUMN 'B' PRESSURE GAUGE	**16**	MOUNT SLOTS (X4)

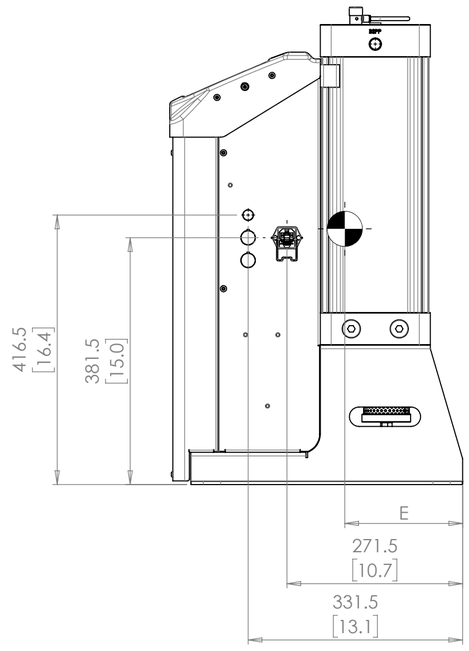
VARIABLE WEIGHTS & DIMENSIONS						
MODEL	**PRODUCT HEIGHT**	**TO BUFFER**	**COG 1**	**COG 2**	**COG 3**	**APPROX. WEIGHT**
	A	**B**	**C**	**D**	**E**	**F**
GEN_2 MINI 060	738mm [29IN]	681mm [26.8IN]	222mm [8.8IN]	395mm [15.6IN]	182mm [7.2IN]	54KG [119LBS]
GEN_2 MINI 080	918mm [36.1IN]	861mm [33.9IN]	222mm [8.8IN]	465mm [18.3IN]	175mm [6.9IN]	63KG [139LBS]

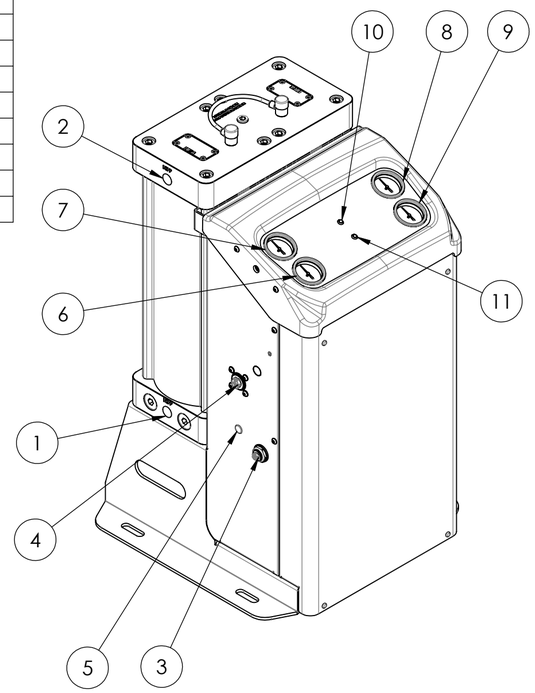
CONNECTION			
NUMBER	**DESCRIPTION**	**SIZE & TYPE**	
1	COMPRESSED AIR INLET	1/2" BSP	1/2" NPT
2	NITROGEN TO BUFFER/MIXING VESSEL	1/2" BSP	1/2" NPT
3	NITROGEN FROM BUFFER/MIXING VESSEL	1/4" BSP*	
4	NITROGEN OUTLET TO PROCESS	1/2" BSP*	
** GENERATOR AVAILABLE WITH NPT ADAPTORS FITTED AT THESE CONNECTION POINTS*			

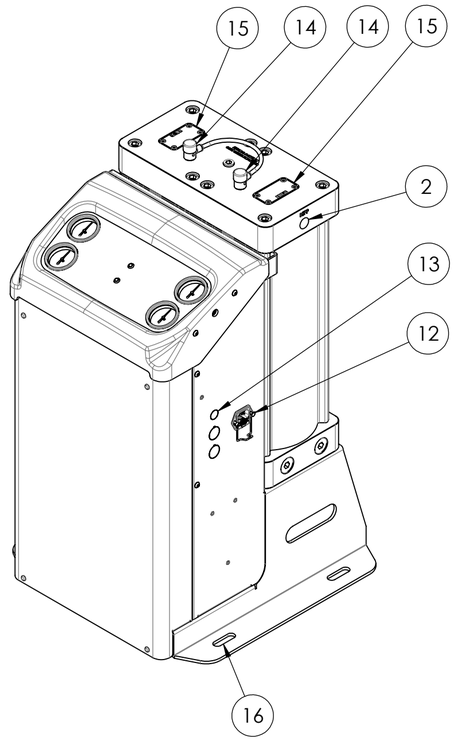












REVISIONS			
REV.	**DESCRIPTION**	**DATE**	**APPROVED**
01	RELEASE TO SALES	30/10/23	IC
02	SPECIFICATION MODIFICATIONS	01/11/23	ME
03	NPT ADAPTORS ADDED - AIR QUALITY SPEC MOD	05/01/24	IC

NOTES:

PRODUCT SPECIFICATION

MINIMUM INLET AIR QUALITY:
ISO 8573: 2010 CLASS 1.4.1
(1.2.1 WITH HIGH OIL VAPOUR CONTENT)

MINIMUM WORKING PRESSURE:
6 BARG [87 PSIG]

MAXIMUM WORKING PRESSURE:
10 BARG [145 PSIG]

MINIMUM INLET TEMPERATURE:
5°C [41°F]

MAXIMUM INLET TEMPERATURE:
50°C [122°F]

RECOMMENDED OPERATING TEMPERATURE:
20...25°C [68...77°F]

SUPPLY VOLTAGE:
100 - 240V AC @ 50/60Hz

FUSE RATING:
3A

POWER CONSUMPTION:
72W

GENERAL TOLERANCES UNLESS OTHERWISE STATED:
X ± 0.5mm | .X.X ± 0.25mm | X.XX ± 0.1mm
ANGLES ± 0.5°

	DRAWN	CHECKED	APPROVED
NAME	AH	IC	IC
DATE	30-10-23	31-10-23	31-10-23

nano-purification solutions limited
www.nano-purification.com

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MATERIAL: AS PER BOM
WEIGHT (KG): TABLE 'F'
FINISH: N/A
TITLE: GEN2 MINI (STANDARD)
DWG NO. PD-0120
nano model ref: **PD-0120_M-060 (D)**
REVISION: **03**
SCALE - 1:6.7
DO NOT SCALE DRAWING
SHEET 1 OF 2
SHEET SIZE A2

KEY FEATURES			
NUMBER	**DESCRIPTION**	**NUMBER**	**DESCRIPTION**
1	COMPRESSED AIR INLET	**9**	NITROGEN OUTLET TO PROCESS PRESSURE GAUGE
2	NITROGEN TO BUFFER/MIXING VESSEL	**10**	GREEN POWER INDICATOR
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8	COLUMN 'B' PRESSURE GAUGE	**16**	MOUNT SLOTS (X4)

VARIABLE WEIGHTS & DIMENSIONS						
MODEL	**PRODUCT HEIGHT**	**TO BUFFER**	**COG 1**	**COG 2**	**COG 3**	**APPROX. WEIGHT**
	A	**B**	**C**	**D**	**E**	**F**
GEN_2 MINI 100	1093mm [43IN]	1036mm [40.8IN]	222mm [8.8IN]	575mm [22.6IN]	180mm [7.1IN]	76KG [168LBS]
GEN_2 MINI 110	1243mm [48.9IN]	1186mm [46.7IN]	222mm [8.8IN]	633mm [24.9IN]	176mm [6.9IN]	83KG [183LBS]
GEN_2 MINI 120	1493mm [58.8IN]	1436mm [56.5IN]	222mm [8.8IN]	736mm [29IN]	171mm [6.7IN]	96KG [212LBS]
GEN_2 MINI 130	1843mm [72.6IN]	1786mm [70.3IN]	222mm [8.8IN]	888mm [34.9IN]	165mm [6.5IN]	113KG [249LBS]

CONNECTION			
NUMBER	**DESCRIPTION**	**SIZE & TYPE**	
1	COMPRESSED AIR INLET	1/2" BSP	1/2" NPT
2	NITROGEN TO BUFFER/MIXING VESSEL	1/2" BSP	1/2" NPT
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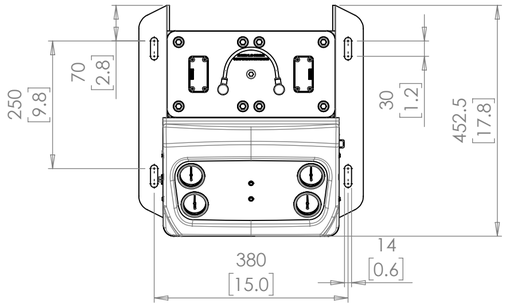

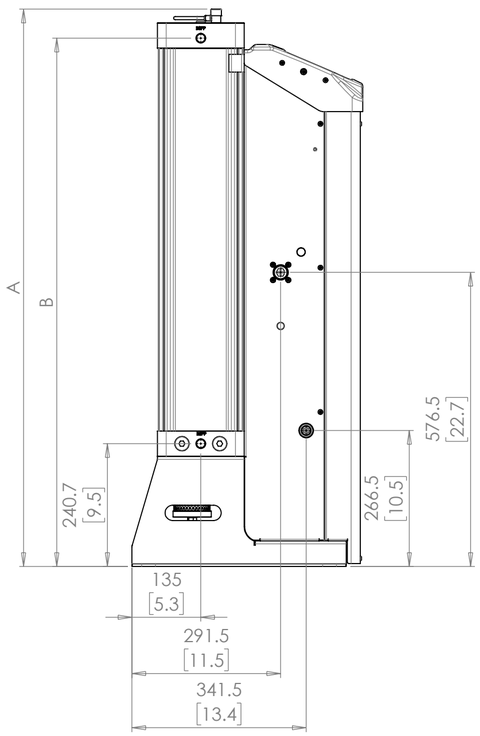

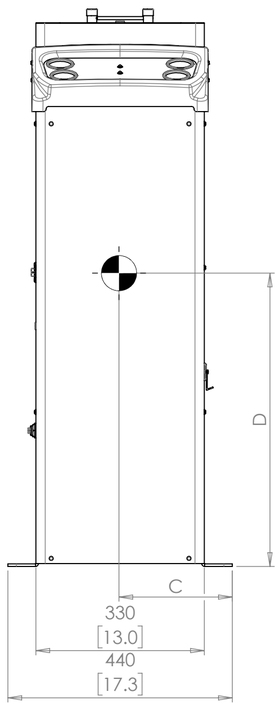

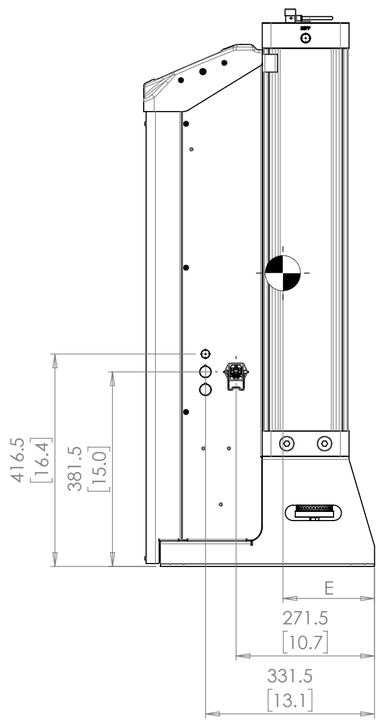

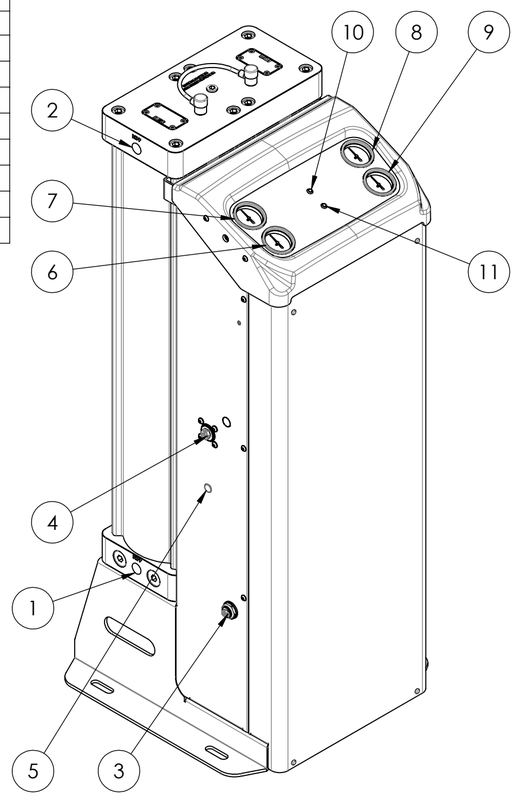

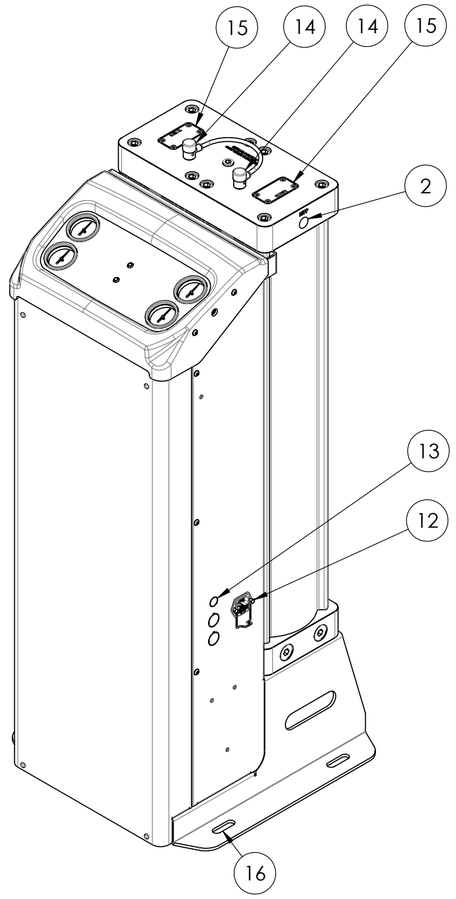

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X ± 0.5mm | X.X ± 0.25mm | X.XX ± 0.1mm
ANGLES ± 0.5°

	DRAWN	CHECKED	APPROVED
NAME	AH	IC	IC
DATE	30-10-23	31-10-23	31-10-23

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www.nano-purification.com

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MATERIAL: AS PER BOM
WEIGHT (KG): TABLE 'F'
FINISH: N/A
TITLE: GEN2 MINI (STANDARD)
DWG NO. PD-0120
nano model ref: **PD-0120_M-100 [D]**
REVISION: **03**
SCALE - 1:8.5
DO NOT SCALE DRAWING
SHEET 2 OF 2
SHEET SIZE A2