

BRY-AIR (ASIA) PVT. LTD.

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NANO PLASTIC DRYING SYSTEMS

NANO-SERIES

NANO-SERIES CABINET-STYLE DEHUMIDIFYING DRYERS
ALL NANO-SERIES DRYERS COMES STANDARD WITH :

HIGH EFFICIENCY AND RELIABILITY

- A totally self contained unit.
- Robust structural steel frame construction.
- CNC fabricated unit(s) with powder coated finish.
- Process air high temperature paper filter.
- Direct drive Rotor sprocket system.
- Rotor incorporates robust internal structure for industries quality and durability.
- Rotor is non-flammable with organic < 2%.
- Hard face coating on rotor edge ensures long life and good sealing for media and seals.
- Process and reactivation air flow sectors are insulated.
- Unique PTFE coated silicone flat seal.

EASY TO OPERATE

- Isolated and protected 24V Dc Relay driver output.

- Isolated 24V DC digital Inputs.
- Three wire RTD PT-100 inputs with wire resistance compensation.
- 4 to 20 mA input , with polarity and fault protection against direct voltage input upto 36V DC.
- Isolated 4-20mA output suitable to drive external load > 800 Ohms
- Isolated RS485 port with MODBUS RTU slave Protocol.
- MODBUS TCP/IP (Optional web server or Cloud connectivity)
- 24VDC / 1 Amp max , Protected and filtered
- 0 to 55 Deg C and RH up to 95% non Condensing.

EASY TO INSTALL

- Hopper mounted cabinet for compact space.
- Versatile, easy to package and handle.
- Small footprints; low volume/weight per CMH.

OPTIONS

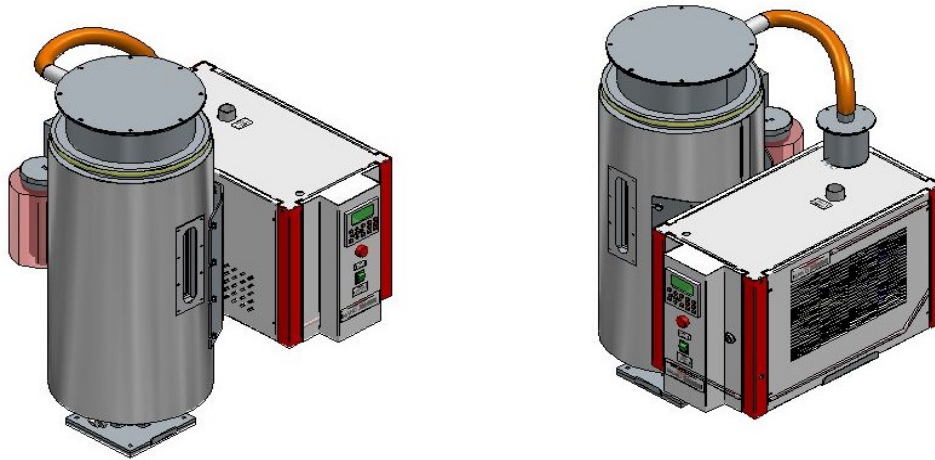
- Digital Dew Point Meter

SPECIFICATION SHEET FOR NANO - SERIES DRYERS

MODEL	PROCESS AIR FLOW CMH	HOSE CONNEC- TION IN "	OUTLET TEMP. RANGE IN °C	PROCESS BLOWER KW	REACT BLOWER KW	BED DRIVE MOTOR KW	PROCESS HTR. KW	REACT HEATER KW	PROCESS OUT DEW POINT	DRYER WEIGHT
									°C	KG
*NANO-15	15	1 ½	80-180	0.07	0.07	0.006	0.9	0.7	-20 ~ -35	35
*NANO-25	25	1 ½	80-180	0.07	0.07	0.006	1.2	0.9	-20 ~ -35	35

*Unit available in 230/1/50Hz & 220/1/60Hz

UNIT VIEW



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Documents No. :BAA: NANO-930.4

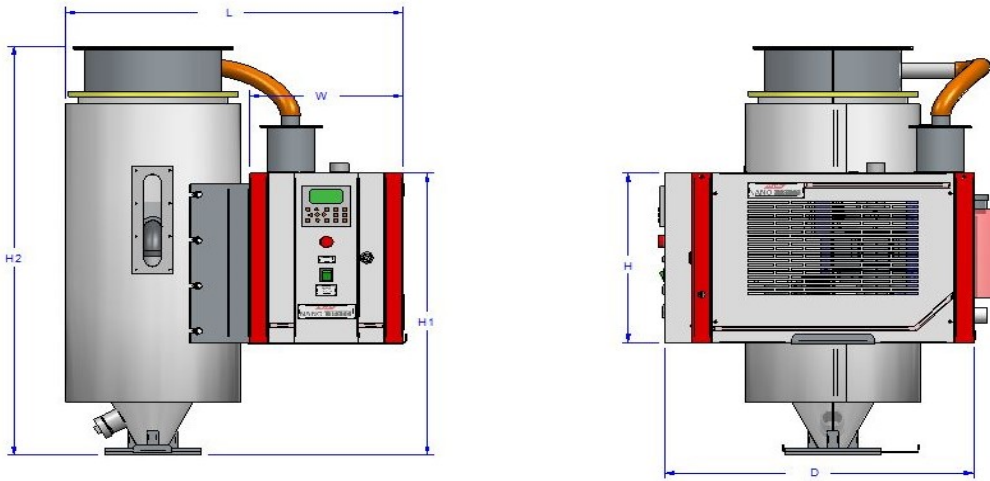
Date : NOV 01, 2023



SPECIFICATION SHEET FOR NANO - SERIES DRYERS

MODEL	HOPPER SIZE IN LTR	DIMENSIONS IN MM						HOPPER WEIGHT
		W	D	H	H1	H2	L	KG
NANO-15	30	320	645	410	670	755	700	30
NANO-25	50	320	645	410	670	980	700	40

UNIT LAYOUT



DRYING RATES (kg/hr)

RESIN TYPE	DRYING TEMP.°C	TIME Hours	MODEL	
			NANO-15	NANO-25
ABS	80-85	2-3	7	14
PA6/6	70-90	5-6	5	10
PC	120	3-4	7	13
PET	160-180	4-5	6	11
PMMA	80	3-4	6	11
PPO	90-110	2-3	7	13
SAN	80	2-3	7	13
PBT	120-135	3-4	7	13
PLL/PSU	90-100	3-4	7	13

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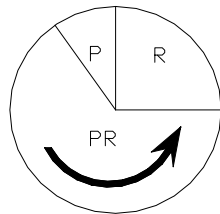
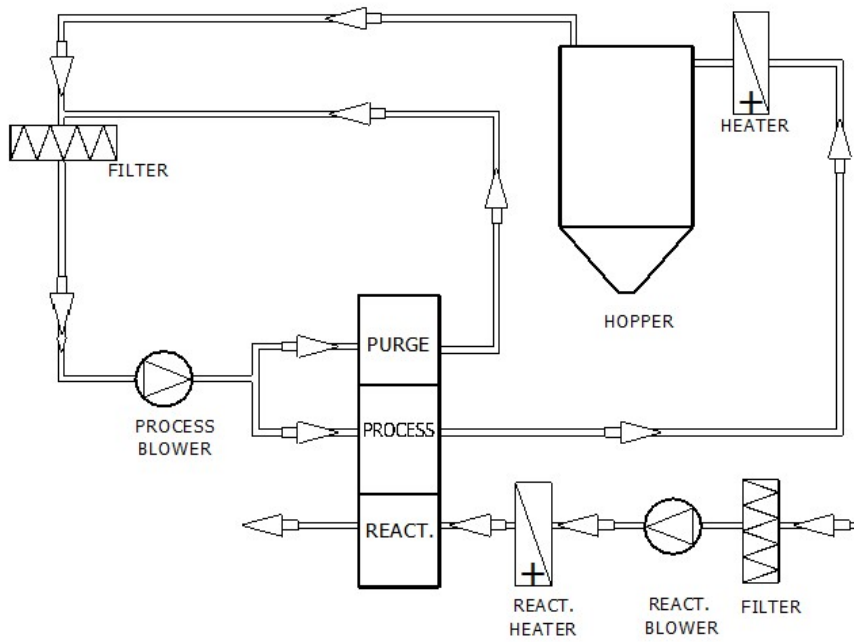
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OPTION AVAILABILITY

DESCRIPTION	AVAILABILITY IN NANO -13/25
Dew Point Meter	← AVAILABLE →
Silicon Flexible Hose For High Heat Application	← AVAILABLE →

SYSTEM FLOW



R = REACTIVATION
P = PURGE
PR = PROCESS

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