

LINETRON®

5~2,000 slpm, In-Line Gas Purifiers

Tronic Purity's LINETRON® series includes two subtypes based on the core adsorption mechanisms, which are the "Catalyst Technology" along with the "Granular Hollow Fiber".

The Catalyst Technology is very popular and widely utilized on the market, it is applied when absorbing impurities like H₂O, O₂, H₂, CO and CO₂ in bulk gases. On the other hand, the Granular Hollow Fiber is designed to remove specific impurities, such as CH₄ and N₂, without additional input of heat.

All LINETRON® purifiers can undergo regeneration processes, either by returning them to Tronic Purity for servicing or by our clients using their own system.

FEATURES

- ✓ Maximum flow rate up to 2,000 slpm.
- ✓ SS-316L construction.
- ✓ Easy to install.
- ✓ Integrated Particle Filter.

APPLICATIONS

- ✓ Glove box purge gas.
- ✓ LED/Laser manufacturing.
- ✓ Semiconductor manufacturing.
- ✓ TFT/LCD production.
- ✓ Weld gas/Purge gas/Shielding gas production

OPTIONS

- ✓ Inlet & Outlet isolation valves



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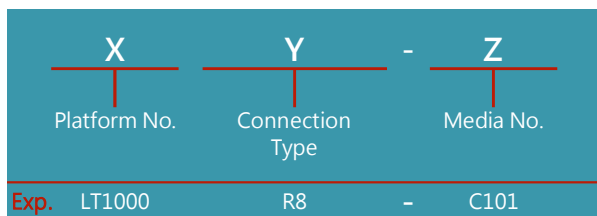
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Numbering System



Model No. & Installation Information

Platform	Connection Type	Nor. Flow (slpm)	Max. Flow (slpm)	Gas In / Out Connection	Diameter (A size, mm)	Face to Face Length (inches, mm)	Particle Filter (µm)	Maximum Pressure
LT5	R4	0.5	5	1/4" MVCR	25A (34.0 mm)	3.3" (84.1mm)	0.003	9.8 Bar
LT12	R4	1.5	12	1/4" MVCR	25A (34.0 mm)	4.5" (114.3mm)	0.003	9.8 Bar
LT15	R4	2	15	1/4" MVCR	25A (34.0 mm)	5.0" (127mm)	0.003	9.8 Bar
LT50	R4	5	50	1/4" MVCR	50A (60.5 mm)	8.2" (208.3mm)	0.003	9.8 Bar
LT50	R8	5	50	1/2" MVCR	50A (60.5 mm)	8.51" (216.3mm)	0.003	9.8 Bar
LT75	R4	7.5	75	1/4" MVCR	65A (76.3 mm)	7.94" (201.7mm)	0.003	9.8 Bar
LT75	R8	7.5	75	1/2" MVCR	65A (76.3 mm)	8.25" (209.7mm)	0.003	9.8 Bar
LT100	R4	10	100	1/4" MVCR	50A (60.5 mm)	12.5" (317.5mm)	0.003	9.8 Bar
LT100	R8	10	100	1/2" MVCR	50A (60.5 mm)	12.8" (325.5mm)	0.003	9.8 Bar
LT280	R4	40	280	1/4" MVCR	65A (76.3 mm)	17.9" (461.5mm)	0.003	9.8 Bar
LT280	R8	40	280	1/2" MVCR	65A (76.3 mm)	18.2" (462.3mm)	0.003	9.8 Bar
LT300	R4	50	300	1/4" MVCR	100A (114.3 mm)	17.3" (439mm)	0.003	9.8 Bar
LT300	R8	50	300	1/2" MVCR	100A (114.3 mm)	17.6" (447mm)	0.003	9.8 Bar
LT500	R4	80	500	1/4" MVCR	100A (114.3 mm)	19.68" (500mm)	0.003	9.8 Bar
LT500	R8	80	500	1/2" MVCR	100A (114.3 mm)	20.0" (508mm)	0.003	9.8 Bar
LT600	R4	100	600	1/4" MVCR	100A (114.3 mm)	30.59" (777mm)	0.003	9.8 Bar
LT600	R8	100	600	1/2" MVCR	100A (114.3 mm)	30.9" (785mm)	0.003	9.8 Bar
LT700	R4	200	700	1/4" MVCR	150A (165.2 mm)	27.64" (702.6mm)	0.003	9.8 Bar
LT700	R8	200	700	1/2" MVCR	150A (165.2 mm)	29.0" (737mm)	0.003	9.8 Bar
LT700	R12	200	700	3/4" MVCR	150A (165.2 mm)	29.5" (749mm)	0.003	9.8 Bar
LT900	R12	250	900	3/4" MVCR	150A (165.2 mm)	35.1" (892mm)	0.003	9.8 Bar
LT900	R16	250	900	1" MVCR	150A (165.2 mm)	35.4" (899mm)	0.003	9.8 Bar
LT1000	R8	300	1,000	1/2" MVCR	150A (165.2 mm)	39.34" (999.7mm)	0.003	9.8 Bar
LT1000	R12	300	1,000	3/4" MVCR	150A (165.2 mm)	39.34" (1011.7mm)	0.003	9.8 Bar
LT2000	R12	400	2,000	3/4" MVCR	150A (165.2 mm)	50.8" (1290mm)	0.003	9.8 Bar
LT2000	R16	400	2,000	1" MVCR	150A (165.2 mm)	51" (1296mm)	0.003	9.8 Bar

Catalyst & Mol-Sieve Technology				Granular Hollow Fiber Technology	
Media No.	Dangerous Good	Gas Purified :	Impurities Removed :	Media No.	Dangerous Good
-C101	YES	Ar, He, N2, Xe, Kr, Ne, Xe, CH4, C2H6, C3H8, SF6, Fluorocarbons.	H2O, O2, H2, CO, CO2 to < 0.1 ppbv; Organics, Acids, Refractory Compounds to < 1 pptv; Bases < 5 pptv, Metals < 1 ppbv	-H101	NO
-C201	YES	H2, H2 Mixed with Inert Gas.	H2O, O2, CO, CO2 to < 0.1 ppbv; Organics, Acids, Refractory Compounds to < 1 pptv; Bases < 5 pptv, Metals < 1 ppbv	-H201	NO
-C301	NO	Ar, He, N2, H2, O2, CDA, CO2, Xe, Kr, Ne, N2O	H2O to < 1 ppbv	-H301	NO
-C401	NO	Ar, He, N2, H2, O2, CDA, Xe, Kr, Ne	H2O, CO2 < 0.1 ppbv; Organics, Acids, Refractory Compounds to < 1 pptv; Bases < 5 pptv, Metals < 1 ppbv	-H401	NO
-C501	NO	CO2	H2O < 0.1 ppbv; Organics, Acids, Refractory Compounds to < 1 pptv; Bases < 5 pptv, Metals < 1 ppbv	-H501	NO
-C502	YES	CO2	H2O, O2 < 0.1 ppbv; Organics, Acids, Refractory Compounds to < 1 pptv; Bases < 5 pptv, Metals < 1 ppbv	-H502	NO