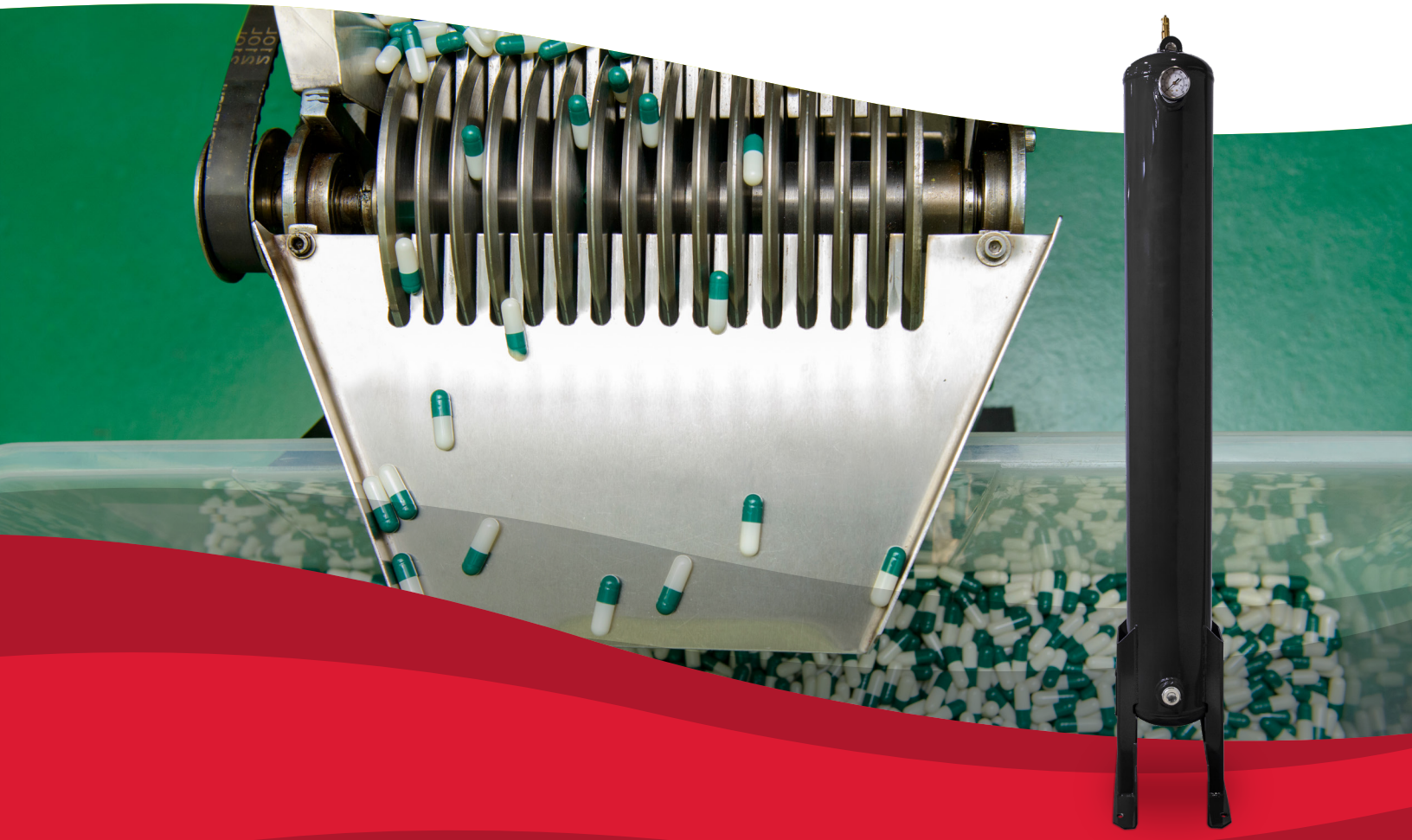
Gardner Denver

ACTIVATED CARBON TOWER | 80–2800 SCFM

XGCT Series



X Series: NeXt-Generation Gardner Denver Air Treatment

XGCT SERIES | ACTIVATED CARBON TOWER SOLUTION

XGCT Series Features & Benefits for Oil-Free Compressed Air

OIL-FREE AIR

The pre-dried, laboratory grade activated carbon used in our XGCT begins adsorbing oil immediately upon start-up with no wait time.

FLOW OPTIMIZED

The unique curved inlet design provides the lowest possible differential pressure to ensure maximum energy efficiency across the entire product range.

MAXIMUM RELIABILITY

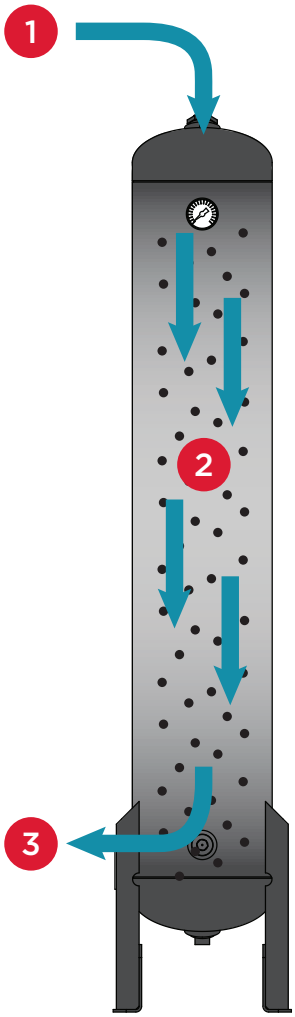
Our vessels are highly optimized and engineered to factor in the heavy loads to the product while ensuring the lifetime of the unit.

MAINTENANCE

Engineered for ease of use with top and bottom access ports to make both draining and filling a simple and easy maintenance procedure.

LARGE PRODUCT RANGE

With model sizes for applications from 80 to 2,800 scfm and up to 150 psig, our product line is comprehensive and highly competitive.



How It Works

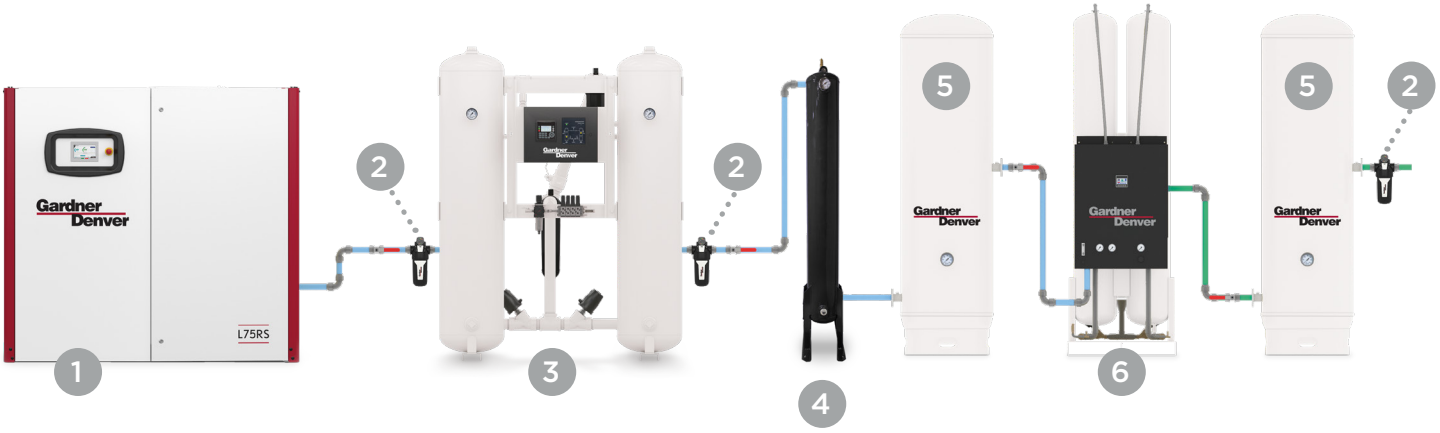
1 The tower housing has generously dimensioned, curved inlet and outlet connections to keep pressure drop to an absolute minimum when paired with existing pipework.

2 Compressed air flows through a bed of high-grade, tightly packed activated carbon. Due to the high degree of micro porosity and small, low volume pores, the activated carbon bed adsorbs compressor oil and contaminants as the compressed air comes into contact with the material.

3 The adsorption process allows for easy generation of oil-free compressed air that provides outlet oil vapor concentrations of less than 0.003 mg/m^3; which is better than Class 1 according to ISO 8573-1 (at 68°F and 14.5 psia).

During compressed air generation and distribution, contaminants are introduced to the air stream at various stages of the compressed air network. Compressed air filters, which come in various grades, remove these contaminants, as well as humidity and oil from the compressed air stream. This is a critical step as these contaminants can lead to a deterioration in quality, machine failure, or even to a loss of production or to products that must be disposed of. Our line of X-Series Filtration along with our XGCT Activated Carbon Tower will ensure you're meeting the air quality needs for your customer.

The NeXt Generation of the Gardner Denver Downstream Family



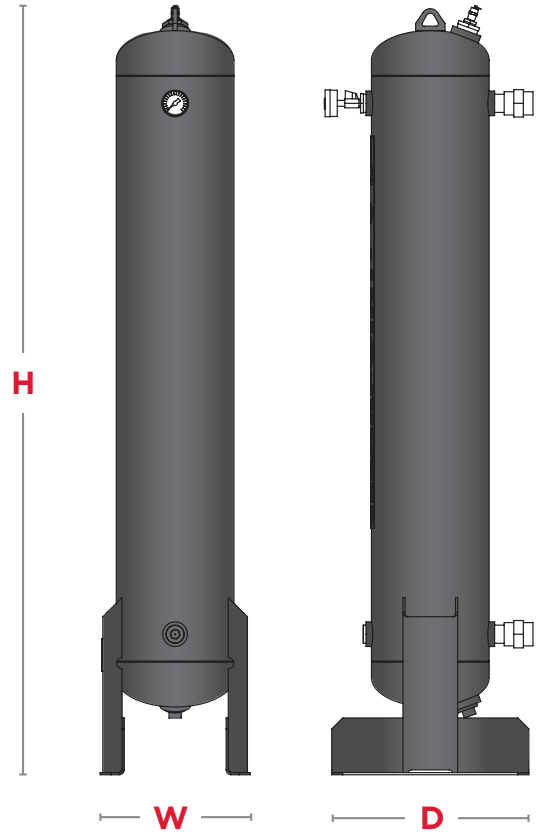
The XGCT Activated Carbon Tower will assist in extending the life of your media bed, whether that be for your desiccant dryer or your nitrogen generation system. This activated carbon tower allows for more of your air to flow across the surface of the carbon versus using a carbon filtration cartridge. Keeping your media beds from contaminants will provide a longer life span and less media replacements over the life of your units.

1. Compressor
2. XG Filtration
3. XG Dryer
4. XGCT Tower
5. XG Air Tanks
6. XGN2 Nitrogen Generator

XGCT Series Technical Details

Activated Carbon Tower Solution for Oil-Free Compressed Air

- Filled with activated carbon adsorbent
- Required pre-filtration: .01 µm
- Residual oil vapor content down to .003 mg/m^3
- Max. Inlet moisture: 30% (dryer required upstream)
- Max. Operating pressure: 150 psig
- Max. Operating temperature: 120°F
- Standard two year warranty



XGCT CARBON TOWER

MODEL NUMBER	FLOW RATE	INLET/OUTLET CONNECTION	DIMENSIONS H × W × D	TOTAL WEIGHT PER ADSORBER
	SCFM	IN. (NPT)	IN.	LBS.
80	80	¾	58 × 11 × 16	41
100	100	1	70 × 11 × 17	51
120	120	1	70 × 11 × 17	51
160	160	1¼	68 × 13 × 18	77
200	200	1¼	68 × 13 × 18	77
250	250	1½	77 × 15 × 22	127
300	300	1½	77 × 15 × 22	127
400	400	2	68 × 17 × 24	149
500	500	2	78 × 19 × 26	225
650	650	2½	74 × 22 × 29	271
800	800	2½	72 × 24 × 31	338
1000	1000	2½*	86 × 24 × 27	354
1200	1200	2½*	85 × 26 × 28	428
1500	1500	3*	90 × 28 × 29	536
1900	1900	3*	78 × 36 × 36	729
2300	2300	4*	93 × 36 × 35	853
2800	2800	4*	83 × 40 × 41	1105

*Flanged Connection

UNIT RATINGS

ADHERE TO THE FOLLOWING INLET CONDITIONS PER ISO 7183, TABLE 2, OPTION A2	
Inlet Compressed Air Temp:	100°F (38°C)
Inlet Compressed Air Pressure:	100 psig (7 bar)
Maximum Ambient Temperature:	100°F (38°C)

CORRECTION FACTORS

OPERATING PRESSURE (PSIG)	60	70	80	90	100	110	120	130	140	150
Correction Factor	0.65	0.74	0.83	0.91	1	1.12	1.16	1.2	1.25	1.29

The leader in every market we serve

by continuously improving all business processes

with a focus on innovation and velocity

Gardner Denver®

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QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001

MEMBER OF 100 YEARS OF INDUSTRY LEADERSHIP CAGI Compressed Air & Gas Institute www.cagi.org

KNOW PRESSURE COMPRESSED AIR CHALLENGE

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Please recycle after use.