SULLAIR®

SULLAIR SX FILTRATION SERIES

25 – 21,000 scfm

THE IMPORTANCE OF RELIABLE FILTRATION

Contaminants are introduced at various stages of the air compression cycle. Removing these contaminants is vital to help ensure part quality, avoid machine damage and protect employees.

Sullair SX Filters reliably help remove contaminants plus humidity and oil from the compressed air stream.

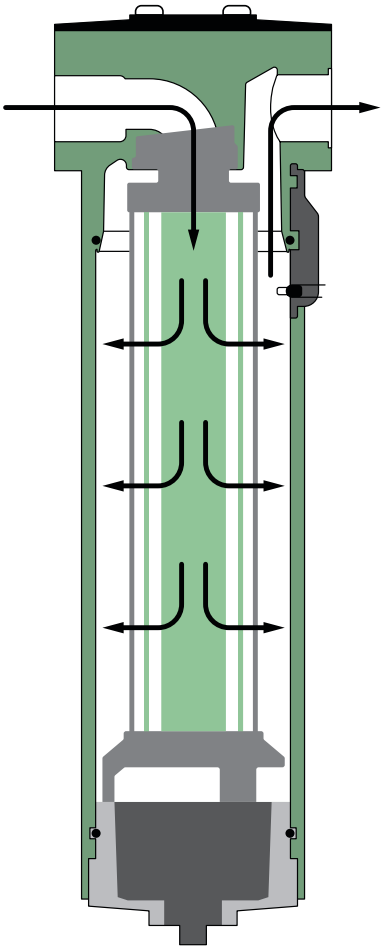
How?

Compressed air enters the filter housing inlet. The unique curved inlet design helps minimize flow resistance as the compressed air flows into physical medium of the filter element.

Then, untreated compressed air passes through an innovative high bed depth filter material specifically designed for maximum retention of particles such as liquid oil, oil aerosols, dirt and scale.

Finally, the treated, clean compressed air flows downstream to other inline components or point-of-use.

Removed condensate moves to a collection zone to help ensure it remains filtered from the treated air and can be easily drained.



SULLAIR SX FILTRATION SERIES

Sullair SX Filters are built for maximum reliability, simplified maintenance and superior performance.

- Engineered for energy efficiency
  - Ultra-low differential pressure across the range
  - Advance eco series pleated elements
- Fully optimized housing
  - Unique curved inlet design engineered for the lowest possible differential pressure—helps reduce flow resistance up to 75%
  - Versatile housing connections for easy installation
  - Easy-open hexagonal profile housing base for simplified element changes and maintenance
    - Simple, push-fit element design for easy changeout

SULLAIR SX SERIES FILTRATION	SXT THREADED FILTERS		SXF FLANGED SERIES
	Particulate & Coalescing Filters	Activated Carbon Filters	Particulate, Coalescing & Activated Carbon Filters
Flow Rates *scfm*	25–1900		1900–21,000
Max Operating Pressure *psig*	232		200
Standard Pipe Connection Sizes	⅜″–3 NPT		4″–12″ ANSI Flange
Housing Material	Anodized, Powder-Coated Aluminum		Powder-Coated Carbon Steel
Drains	Float Drain		SULLIMAX™ Zero Air Loss Drain
Available Options	SULLIMAX™ Zero Air Loss Drain Differential Pressure Gauge	Oil Check Indicator Manual Valve	Powder-Coated Carbon Steel

SULLAIR SXT THREADED PARTICULATE, COALESCING & ACTIVATED CARBON FILTERS

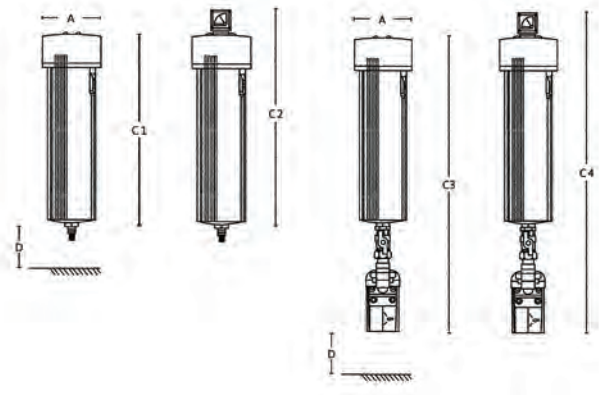
Model	Pipe Size (NPT)	Flow Rate (scfm)	Element Size*	Dimension Sizes (See Line Drawings Below for Reference)						
				A (in)	C1 (in)	C2 (in)	C3 (in)	C4 (in)	D (in)	Weight (lbs)
SXT0025	⅜″	25	04*	2.95	7.09	9.65	15.55	18.11	5.91	1.65
SXT0030	½″	30	04*	2.95	7.09	9.65	15.55	18.11	5.91	1.65
SXT0050	½″	50	05*	2.95	8.27	10.83	16.73	19.29	5.91	1.87
SXT0080	½″	80	06*	2.95	10.43	12.99	18.9	21.46	5.91	2.65
SXT0100	¾″	100	07*	3.94	11.02	13.58	19.49	22.05	5.91	3.75
SXT0125	1″	125	07*	3.94	11.02	13.58	19.49	22.05	5.91	4.18
SXT0160	1″	160	10*	3.94	13.78	16.34	22.24	24.8	5.91	4.63
SXT0200	1″	200	12*	3.94	15.16	17.72	23.62	26.18	5.91	4.85
SXT0250	1½″	250	15*	5.75	14.17	16.73	22.83	25.39	6.3	9.04
SXT0330	1½″	330	18*	5.75	16.46	19.02	24.92	27.48	6.3	9.92
SXT0450	1½″	450	20*	5.75	18.43	20.99	26.89	29.45	6.3	10.61
SXT0500	2″	500	20*	5.75	18.43	20.99	26.89	29.45	6.3	11.24
SXT0600	2″	600	22*	5.75	22.24	24.8	30.71	33.27	6.3	13.45
SXT0800	2″	800	23*	5.75	26.89	29.45	35.35	37.91	6.3	15.65
SXT1000	2½″	1000	25*	10.24	26.42	29.98	34.88	37.44	7.87	43.87
SXT1300	2½″	1300	27*	10.24	30.51	33.07	38.98	41.54	7.87	49.82
SXT1500	3″	1500	30*	10.24	35.24	37.8	39.76	42.32	7.87	57.1
SXT1900	3″	1900	32*	10.24	41.14	43.7	49.61	52.17	7.87	65.92

** See element type chart*

Element Type	Micron Rating (µm)	Oil Carryover (mg/m³)	Dry Δ Pressure (psid)	Wet Δ Pressure (psid)
Coarse	25	5	0.44	0.73
Fine	1	.1	0.73	2.17
Superfine	.01	.01	0.87	2.9
Activated Carbon Element	.01	.003		1.02

Correction Factors														
Operating Pressure (psig)	**20**	**40**	**60**	**80**	**90**	**100**	**110**	**120**	**130**	**140**	**160**	**180**	**200**	**230**
Correction Factor	0.3	0.48	0.65	0.82	0.91	1	1.09	1.17	1.26	1.35	1.52	1.7	1.87	2.13

Advanced SX eco series elements
Validated in accordance with ISO 12500-1 and 3
Max operating pressure *psig* 232
Max operating temperature *°F* 140
Options (Particulate & Coalescing): Float Drain or SULLIMAX™ Zero Loss Drain
Differential pressure gauge
Options (Activated Carbon): Oil Check Indicator
Manual Valve



SULLAIR SXF FLANGE PARTICULATE, COALESCING & ACTIVATED CARBON FILTERS

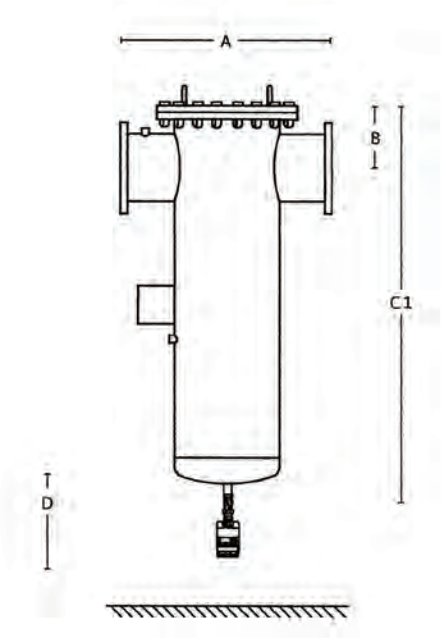
Model	Pipe Size (ANSI)	Flow Rate (scfm)	Element Size*	Dimension Sizes (See Line Drawing Below for Reference)				
				A (in)	B (in)	C1 (in)	D (in)	Weight (lbs)
SXF1900	4″	1900	88*	21.25	6.88	46.5	13	195
SXF2800	4″	2800		21.25	7.13	47.38	18	266
SXF3800	6″	3800		23.5	8	46.88		283
SXF6500	6″	6500		23.75	8.25	50.38		328
SXF7500	8″	7500		28	9.5	53		534
SXF9300	8″	9300		30.31	9.75	56.34		623
SXF13000	10″	13,000		34.65	9.88	60.18		727
SXF21000	12″	21,000		38.98	10.87	64.26		825

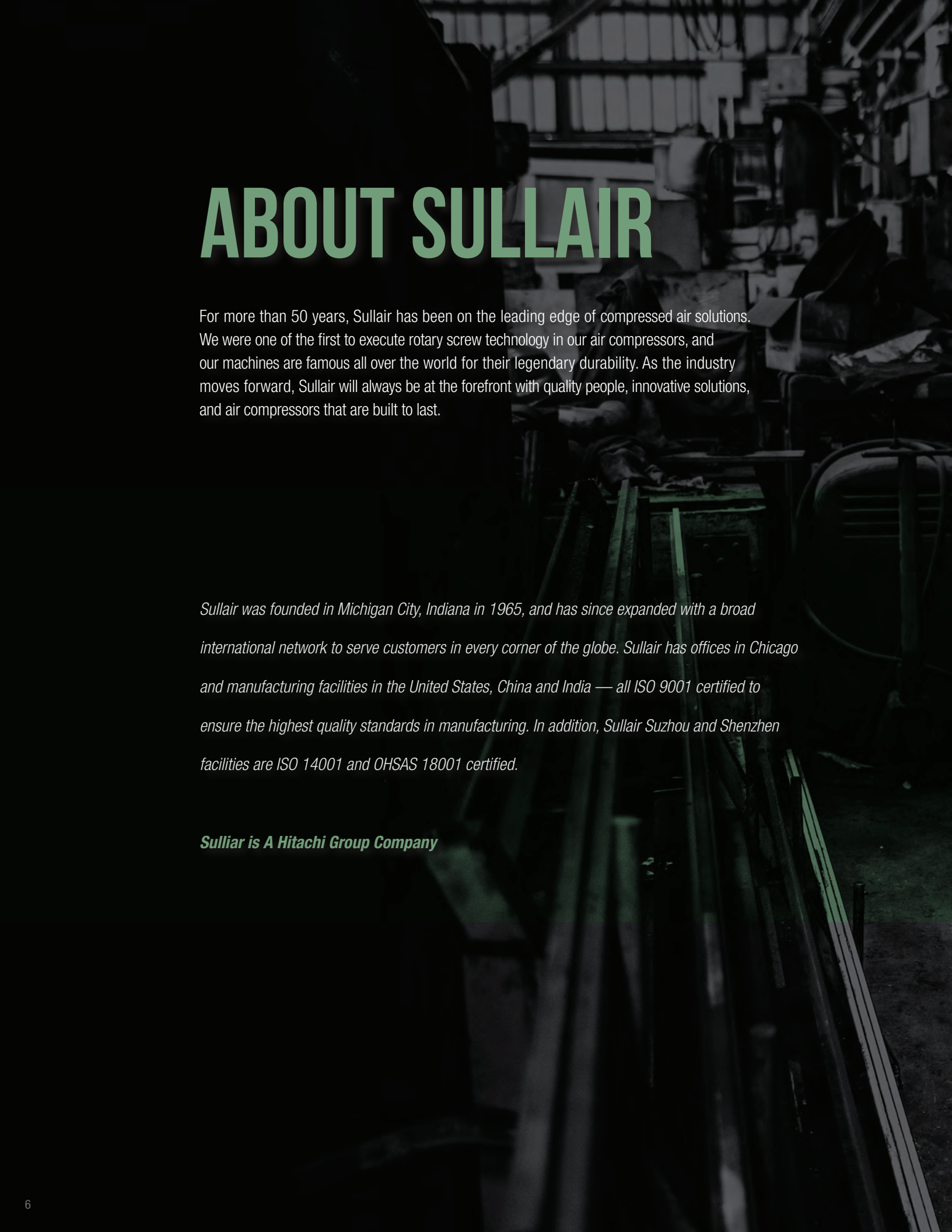
** See element type chart*

Element Type	Micron Rating (µm)	Oil Carryover (mg/m³)	Oil Vapor (mg/m³)	Dry Δ Pressure (psid)	Wet Δ Pressure (psid)	Approvals
Coarse	25	5		0.44	0.73	ASME Coded Vessel with "UM" stamp standard (CRN optional)
Fine	1	.1		0.73	2.17	
Superfine	.01	.01		0.87	2.9	
Activated Carbon Element	.01		.003	1.45		

Correction Factors													
Operating Pressure (psig)	20	40	60	80	90	100	110	120	130	140	160	180	200
Correction Factor	0.3	0.48	0.65	0.82	0.91	1	1.09	1.17	1.26	1.35	1.52	1.7	1.87

SULLIMAX™ Zero Loss Drain
Connection kit with differential pressure gauge
Advanced SX eco series elements
Validated in accordance with ISO 12500
Designed according to ASME Sec. VII, Div. 1
UM Stamp Standard and CRN optional
Max operating pressure *psig* 232
Max operating temperature *°F* 140





ABOUT SULLAIR

For more than 50 years, Sullair has been on the leading edge of compressed air solutions. We were one of the first to execute rotary screw technology in our air compressors, and our machines are famous all over the world for their legendary durability. As the industry moves forward, Sullair will always be at the forefront with quality people, innovative solutions, and air compressors that are built to last.

Sullair was founded in Michigan City, Indiana in 1965, and has since expanded with a broad international network to serve customers in every corner of the globe. Sullair has offices in Chicago and manufacturing facilities in the United States, China and India — all ISO 9001 certified to ensure the highest quality standards in manufacturing. In addition, Sullair Suzhou and Shenzhen facilities are ISO 14001 and OHSAS 18001 certified.

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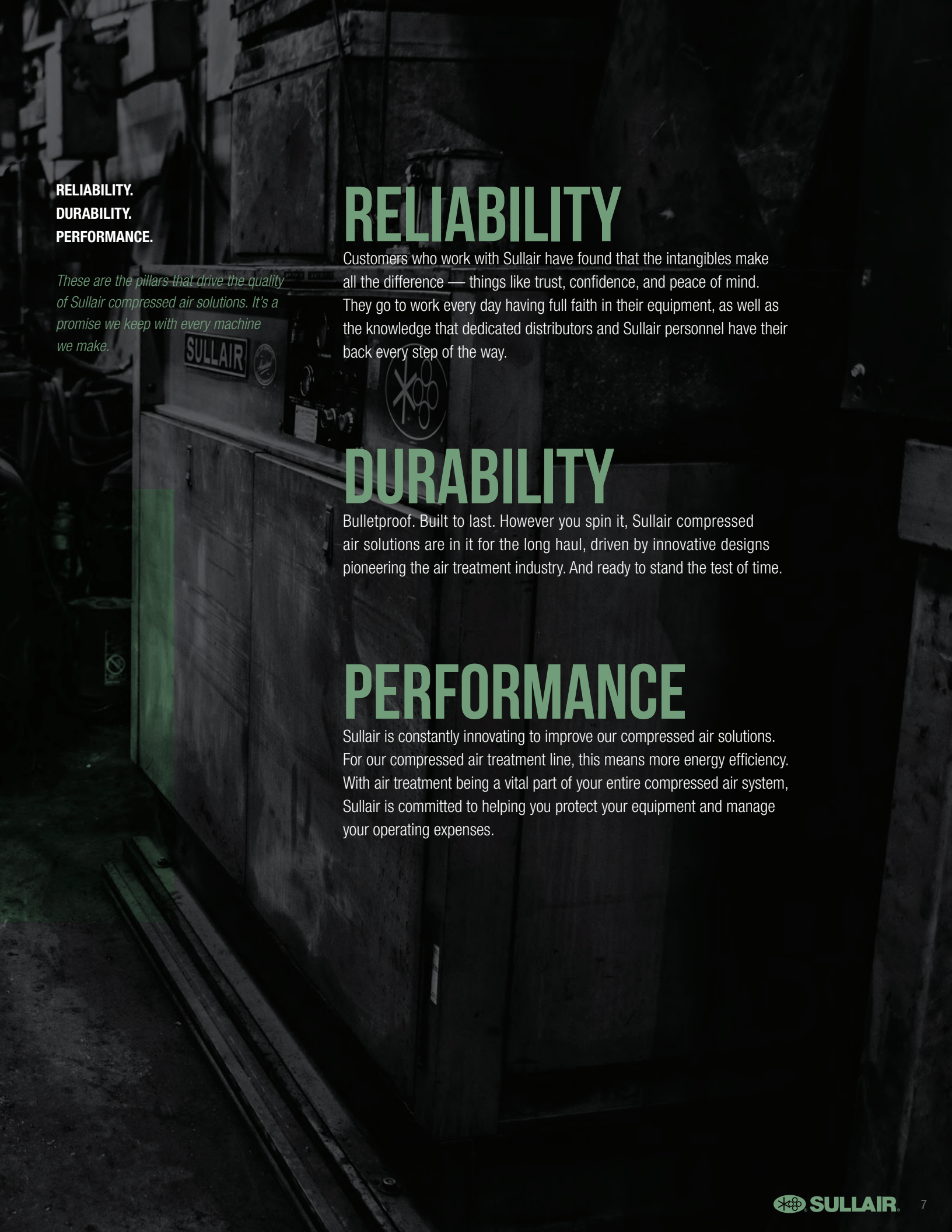

RELIABILITY.
DURABILITY.
PERFORMANCE.

These are the pillars that drive the quality of Sullair compressed air solutions. It's a promise we keep with every machine we make.

RELIABILITY

Customers who work with Sullair have found that the intangibles make all the difference — things like trust, confidence, and peace of mind. They go to work every day having full faith in their equipment, as well as the knowledge that dedicated distributors and Sullair personnel have their back every step of the way.

DURABILITY

Bulletproof. Built to last. However you spin it, Sullair compressed air solutions are in it for the long haul, driven by innovative designs pioneering the air treatment industry. And ready to stand the test of time.

PERFORMANCE

Sullair is constantly innovating to improve our compressed air solutions. For our compressed air treatment line, this means more energy efficiency. With air treatment being a vital part of your entire compressed air system, Sullair is committed to helping you protect your equipment and manage your operating expenses.

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