

بادرو کمپرسور

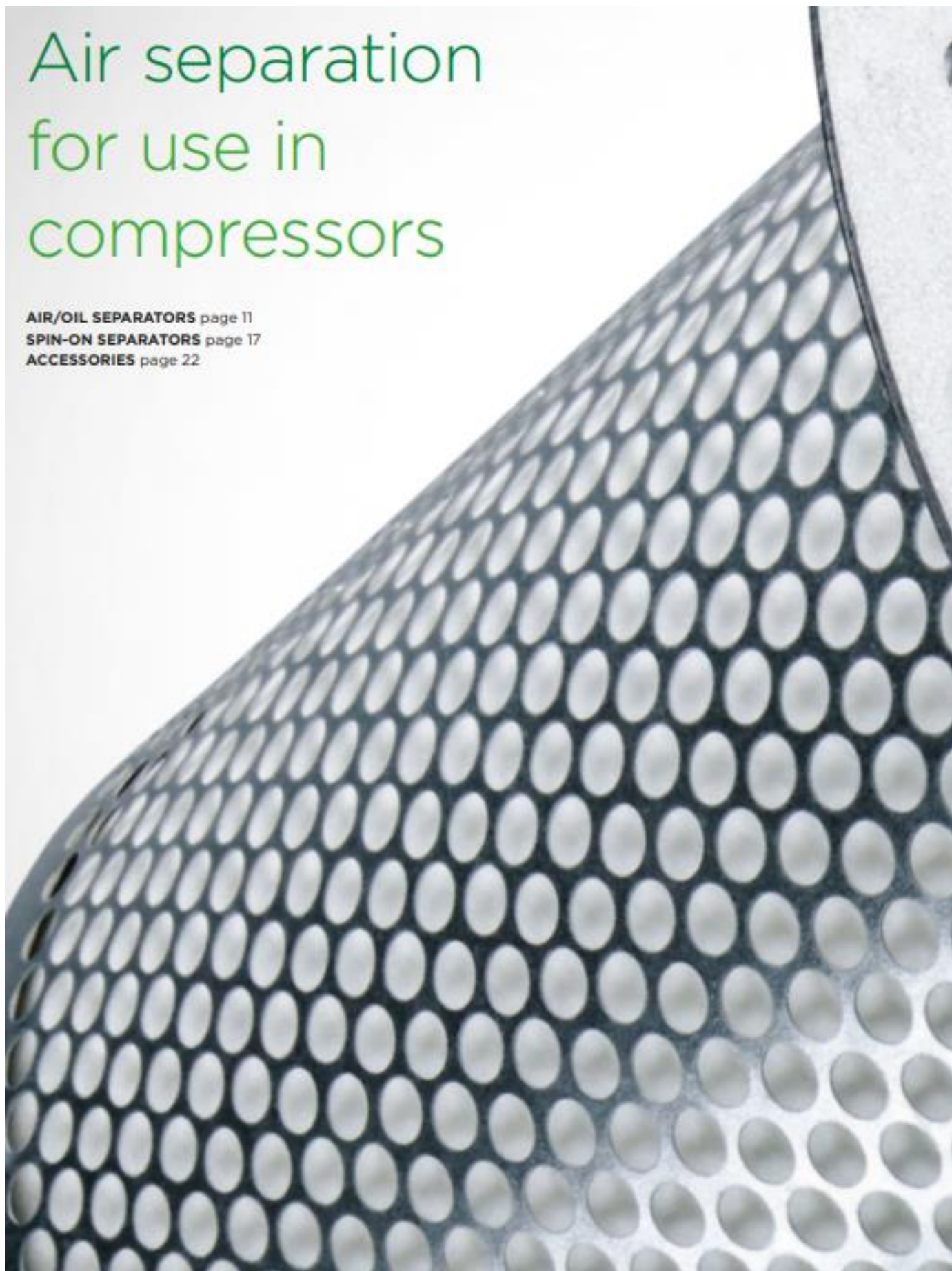
BADRO COMPRESSOR

Air separation for use in compressors

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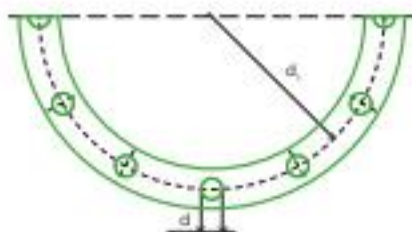
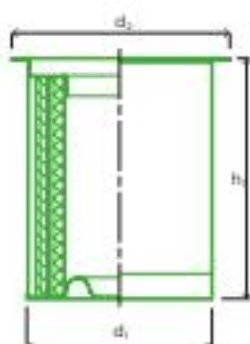


The explanation of the "coalescence principle" can be found on page 92



Air/Oil Separators

Technical data

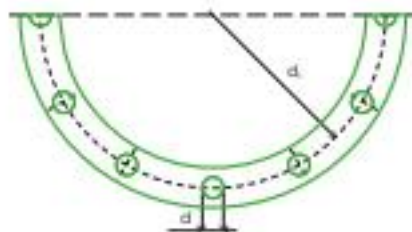
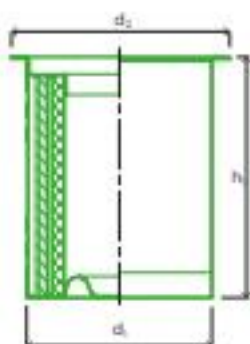


ORDER NUMBERS AND DIMENSIONS

Order No.	Dimensions in mm (dimensions in inches)					Technical features	
	d ₁	d ₂	h	d	d	Number of holes	Fleece preseparator
LE 3004 x	135 (5.31)	160 (6.30)	65 (2.56)	-	-	-	-
LE 4007 x	100 (3.94)	128 (5.04)	110 (4.33)	-	-	-	X
LE 5004	100 (3.94)	175 (6.89)	150 (5.91)	150 (5.91)	14 (0.55)	8	-
LE 5006	100 (3.94)	142 (5.59)	150 (5.91)	-	-	-	-
LE 6004	100 (3.94)	128 (5.04)	170 (6.69)	-	-	-	-
LE 7004 x	135 (5.31)	170 (6.69)	160 (6.30)	-	-	-	-
LE 7001 x	135 (5.31)	215 (8.46)	165 (6.50)	-	-	-	X
LE 8003 x	135 (5.31)	220 (8.66)	175 (6.89)	192 (7.56)	13.5 (0.53)	6	-
LE 8004 x	135 (5.31)	170 (6.69)	175 (6.89)	-	-	-	-
LE 9003 x	135 (5.31)	215 (8.46)	200 (7.87)	-	-	-	X
LE 9020 x	135 (5.31)	170 (6.69)	200 (7.87)	-	-	-	-
LE 9001 x	170 (6.69)	245 (9.65)	165 (6.50)	210 (8.27)	17 (0.67)	8	-
LE 10 001	135 (5.31)	165 (6.50)	230 (9.06)	-	-	-	X
LE 12 001 x	220 (8.66)	274 (10.79)	274 (10.79)	-	-	-	-
LE 13 001 x	135 (5.31)	182 (7.17)	293 (11.54)	-	-	-	-
LE 13 012 x	170 (6.69)	200 (7.87)	230 (9.06)	-	-	-	-
LE 13 007 x	135 (5.31)	178 (7.01)	305 (12.01)	-	-	-	-
LE 16 008	160 (6.30)	200 (7.87)	310 (12.20)	-	-	-	-
LE 16 009	220 (8.66)	274 (10.79)	230 (9.06)	-	-	-	X

Air/Oil separators

Technical data



ORDER NUMBERS AND DIMENSIONS

Order No.	Dimensions in mm (dimensions in inches)					Technical features	
	d ₁	d ₂	h	d ₁	d	Number of holes	Fleece preseparator
LE 17 011 x	170 (6.69)	200 (7.87)	305 (12.01)	-	-	-	-
LE 17 006 x	170 (6.69)	200 (7.87)	305 (12.01)	-	-	-	X
LE 17 008 x	170 (6.69)	245 (9.65)	314 (12.36)	210 (8.27)	17 (0.67)	8	-
LE 20 001	275 (10.83)	328 (12.91)	230 (9.06)	-	-	-	-
LE 21 001 x	170 (6.69)	200 (7.87)	380 (14.96)	-	-	-	-
LE 22 008 x	220 (8.66)	290 (11.42)	305 (12.01)	-	-	-	X
LE 23 002 x	170 (6.69)	245 (9.65)	420 (16.54)	210 (8.27)	17 (0.67)	8	-
LE 24 002 x	170 (6.69)	245 (9.65)	447 (17.60)	210 (8.27)	17 (0.67)	8	-
LE 27 006 x	275 (10.83)	328 (12.91)	305 (12.01)	-	-	-	X
LE 28 002 x	220 (8.66)	290 (11.42)	400 (15.75)	-	-	-	X
LE 28 003 x	220 (8.66)	274 (10.79)	400 (15.75)	-	-	-	-
LE 29 005 x	300 (11.81)	355 (13.98)	305 (12.01)	-	-	-	-
LE 29 001 x	300 (11.81)	348 (13.70)	305 (12.01)	-	-	-	-
LE 30 005 x	300 (11.81)	343 (13.50)	315 (12.40)	-	-	-	-
LE 31 001 x	275 (10.83)	328 (12.91)	350 (13.78)	-	-	-	-
LE 32 004	220 (8.66)	290 (11.42)	460 (18.11)	-	-	-	-
LE 33 001 x	300 (11.81)	400 (15.75)	350 (13.78)	350 (13.78)	26 (1.02)	12	-
LE 33 003 x	300 (11.81)	355 (13.98)	350 (13.78)	-	-	-	-
LE 35 004 x	275 (10.83)	328 (12.91)	400 (15.75)	-	-	-	-
LE 38 004 x	300 (11.81)	350 (13.78)	400 (15.75)	-	-	-	-





Spin-On Separators

LB boxes

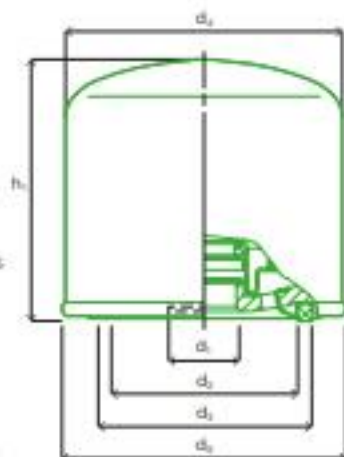


ADVANTAGES

- Extensively tried and tested on the market
- Technically robust
- Attractively priced solution
- Attractive price/performance ratio
- Easy maintenance with short downtimes

TECHNICAL DATA

- Residual oil content¹⁾: max. 3 mg/m³_{oil}
- Initial pressure drop²⁾: 0.35 bar
- Max. operating pressure: 20 bar (14 bar) (refer to labeling)
- Service life: max. 2,000 h / 1 bar Δp



PERMISSIBLE OPERATING TEMPERATURES³⁾

Long-term³⁾: -20°C to +100°C
Short-term³⁾: +120°C

ORDER NUMBERS AND DIMENSIONS

Order No.	Nominal flow rate ⁴⁾ [m ³ /min] [cfm]	Dimensions in mm (dimensions in inches)					Max. operating pressure		
		d ₁	d ₂	d ₃	d ₄	d ₅	h	[bar]	[MPa]
LB 719/2	1.0 [35.3]	M 22x1.5	62 (2.44)	71 (2.80)	76 (2.99)	80 (3.15)	127 (5.00)	20	2.0
LB 962/2	2.0 [70.7]	M 24x1.5	62 (2.44)	71 (2.80)	93 (3.66)	96 (3.78)	212 (8.35)	20	2.0
LB 1374/2	3.0 [106.0]	M 39x1.5	100 (3.94)	111 (4.37)	136 (5.35)	140 (5.51)	177 (6.97)	20	2.0
LB 11 102/2	4.0 [141.3]	M 32x1.5	93 (3.66)	104 (4.09)	108 (4.25)	110 (4.33)	260 (10.24)	14	1.4
LB 13 145/3	5.5 [194.3]	M 39x1.5	100 (3.94)	111 (4.37)	136 (5.43)	140 (5.51)	302 (11.89)	20	2.0

ACCESSORIES

Suitable for	Connector (page 24)	Filter heads (page 23)			FKM seals (page 25)
		Single	Double	Triple	
LB 719/2	21 024 15 981	-	-	-	49 999 98 013
LB 962/2	21 027 15 991	-	-	-	49 999 98 013
LB 1374/2	21 042 15 991	67 700 31 801	67 730 31 861	67 750 31 971	49 999 98 014
LB 11 102/2	21 036 15 991	-	-	-	-
LB 13 145/3	21 042 15 991	67 700 31 801	67 730 31 861	67 750 31 971	49 999 98 014

1) At nominal load and 7 bar overpressure. Inadequate precleaning can impair this value. 2) Operating temperatures relate to the entire spin-on separator system.
3) Short-term: Dwell time at the short-term temperature of not more than 10 min. The distance between 2 short-term peaks must be at least 0.5 h. After approx. 300 peaks have been reached, we recommend changing the seal and filter. 4) Nominal flow rate according to DIN 1945 at 7 bar [0.7 MPa] operating overpressure



Accessories for Spin-On Separators Filter heads



ADVANTAGES

- Selection of various filter heads
- Easy installation, integration and reliable maintenance

FEATURES

- Return of separated oil to the compressor
- Return line integrated in the head
(not in scope of delivery)

TECHNICAL NOTES

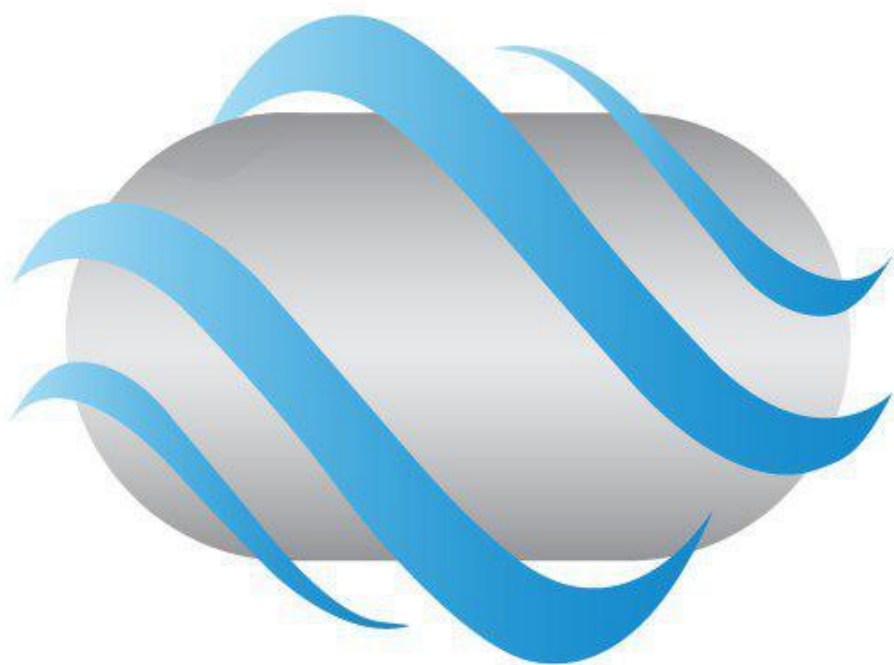
- The lowest specified maximum operating pressure
(head or separator) must not be exceeded
- Observe the arrow direction on the filter head



Oil filters for use in compressors







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