

HEAVY DUTY LINE

FORCE FOUR 400-450

ELECTRIC



Contact

Terms of sale

All prices herewith listed are VAT excluded.
Delivery terms: ex work our company.



AEROTECNICA COLTRI SPA reserves the right of amending the data contained
in this catalogue any time.

For full warranty coverage, all maintenance interventions, according to the scheduled maintenance table, or unforeseen failures must be carried out exclusively by personnel authorised by AEROTECNICA COLTRI. The manufacturer will be in charge of coordinating the assistance centres in the necessary interventions and the supply of spare parts.

The ordinary/annual maintenance envisaged in the use and maintenance manual remains the responsibility of the end user, after having attended the **COMPRESSOR OPERATOR COURSE** to be carried out in the Company.

All the components that can be replaced by the compressor operator are indicated in the table by a black number on a yellow field (example: **N**) all the other components are the responsibility of qualified technicians. To enrol in the compressor operator course, contact the technical assistance of **AEROTECNICA COLTRI** (service@coltri.com).

For each intervention in the timetable, performed by certified technical personnel, in addition to replacing the components according to the maintenance table, a complete examination is performed with a series of checks listed: High pressure fittings check; safety valve calibration or holding valve; non-return valve; check hoses; visual inspection of the pumping unit; belt wear; check for oil leaks; check intermediate pressures; oil pressure; direction of rotation; check emergency button; condensate purge key; stop key; hour counter; condensate drain timer; check refill time.

Filter cartridge replacement frequency calculation table

TEMPERATURE		FILTER DURATION (WORK HOURS)
°C	°F	
		400-450
40	104	33
30	86	56
20	68	88
10	50	132
0	32	244
-5	23	244

MAINTENANCE INTERVALS (HOURS)	SPARE PARTS KIT CODES
500	36.0.T6S4.0245
1.000	36.0.T6S4.0250
1.500	36.0.T6S4.0245
2.000	36.0.T6S4.0255
2.500	36.0.T6S4.0245
3.000	36.0.T6S4.0250
3.500	36.0.T6S4.0245
4.000	36.0.T6S4.0265
4.500	36.0.T6S4.0245
5.000	36.0.T6S4.0275
5.500	36.0.T6S4.0245
6.000	36.0.T6S4.0255
6.500	36.0.T6S4.0245
7.000	36.0.T6S4.0250
7.500	36.0.T6S4.0245
8.000	36.0.T6S4.0265
8.500	36.0.T6S4.0245
9.000	36.0.T6S4.0250
9.500	36.0.T6S4.0245
10.000	36.0.T6S4.0280

Hours of use

N	CODE	ITEM TO CHANGE OR CHECK	QUANTITY	HOURS OF USE					
				AT 500 AND EVERY 1,000	AT 1,000 - 3,000 -7,000 - 9,000	AT 2,000 - 6,000	AT 4,000 - 8,000	AT 5,000	AT 10,000
1	36-05-0504	INTAKE FILTER CARTRIDGE MCH-36	1	●	●	●	●	●	●
2	13-04-0238/AIR/420	HOSE HP Ø4X11 L 1200 F-F 7/16 INOX W.P. 420	4						
3	SC000872	SYNTHETIC OIL "COLTRI OIL ST 755" 5 LT TANK	1		●	●	●	●	●
4	SC000688	OIL FILTER CARTRIDGE MCH-36	1		●	●	●	●	●
5	LOOK AT SPARE PARTS CAT BELT		2	●	●	●	●	●	●
6	36-07-016/R	4TH STAGE COMPLETE SEPARATOR HP KIT MCH-22/45	1						●
7	SILENZ/E90A4003	SILENCER 1/4 E90A4003	2				●		●
8	36-05-008/R	O-RING 2212 NBR90SH (53.67X1.78)MCH36	2						●
9	RE100368	HYPER FILTER (W/O FILTER CARTRIDGE)	2						
10	LOOK AT SPARE PARTS CAT FINAL SAFETY VALVE		1					●	●
11	36-01-021/R	1ST STAGE INTAKE VALVE KIT MCH-22/45	1		●	●	●	●	●
12	36-01-024/R	1ST STAGE DISCHARGE VALVE KIT MCH-22/45	1		●	●	●	●	●
13	36-02-012/R	2ND STAGE INTAKE VALVE KIT MCH-22/45	1		●	●	●	●	●
14	36-02-015/R	2ND STAGE DISCHARGE VALVE KIT MCH-22/45	1		●	●	●	●	●
15	36-03-015/R	3RD STAGE INTAKE VALVE KIT MCH-22/45	1		●	●	●	●	●
16	36-03-018/R	3RD STAGE DISCHARGE VALVE KIT MCH-22/45	1		●	●	●	●	●
17	36-04-011/1/R	4TH VALVE HEAD KIT MCH-22/45 / 3° ST. MCH-21/23	1		●	●	●	●	●
18	36-04-009/15/N/R	NEW 4TH STAGE CYLINDER KIT Ø15 MCH-22/45	1		●	●	●	●	●
19	24-01-0118	1ST STAGE PISTON RINGS Ø120 MCH-22/30	1			●	●		
20	36-01-005/R	KIT WITH 10 O-RING 2525 NBR 90 SH (Ø133,10X1,78)	1			●	●		
21	36-01-009/R	1ST STAGE GASKETS Ø130 MCH-22/45	1			●	●		
22	36-02-004	2ND STAGE PISTON RINGS (NR. 4) Ø60 MCH-22/45	1			●	●		
23	13-00-0015/R	KIT WITH 10 O-RING 2275 NBR 70 SH (Ø69,57X1,78)	2			●	●		
24	36-03-007	3RD STAGE PISTON RINGS (NR.4) Ø32 MCH-22/45	1			●	●		
25	13-00-0039/R	KIT WITH 10 O-RING 3237 NBR 90SH (Ø60,00X2,62)	1			●	●		
26	13-03-0123/90/R	KIT WITH 10 O-RING 2100 GREEN VITON 90 SH (Ø25,12X1,78)	1			●	●		
27	36-07-023	SEPARATOR STAINLESS STEEL FILTER 1/2G	1				●		●
28	OR-6162V	O-RING 6162 VITON 90 SH (Ø40,65X5,34)	2				●		●
29	22-05-001/R	1ST STAGE COOLING PIPE (1ST PART) Ø12 MOD. 450	1				●		●
30	24-01-0001/A1/P	1ST STAGE COOLING PIPE (2ND PART) Ø12 MOD. 450	1				●		●
31	22-05-006/R	2ND/3RD STAGE COOLING PIPE Ø12 MOD. 450	1				●		●
32	22-05-011/R	3RD/4TH STAGE COOLING PIPE Ø12 MOD. 450	1				●		●
33	22-05-009/P	SS PIPE Ø12 SS SEPARATOR 3° ST. MCH-22	1				●		●
34	36-05-015/N/P	NEW 3RD/4TH STAGE SEPARATOR CONNECTION PIPE	1				●		●
35	22-05-018/R	4TH STAGE COOLING PIPE KIT MOD. 450	1				●		●
36	13-04-0322	HP TUBE HOLDER PRESSURE GAUGE Ø3X7 L 500 F7/16-F1/4 W.P. 420	1						
37	13-04-0327	HP TUBE HOLDER PRESSURE GAUGE Ø3X7 L 700 F7/16-F1/4 W.P. 420	2						
38	13-04-0213	HP TUBE HOLDER PRESSURE GAUGE Ø3X7 L 400 F7/16-F1/4 W.P. 420	1						
39	36-07-031/R	KIT OF 10 O-RING 6262 FKM GREEN 90 SH (Ø66,04X5,34)	2	2 O-RING EVERY FILTER CHANGE					
40	36-07-034/PP/A-MS	HYPERFILTER MOLECULAR SIEVE CARTRIDGE PP	1	ACCORDING TO THE APPLICATION					
41	36-07-034/PP/B-AC	HYPERFILTER ACT.CARB/MOLEC.SIEVE CARTRIDGE PP	1	ACCORDING TO THE APPLICATION					
42	36-07-034/PP/B-AC/MOL	HYPERFILTER ACTIVE CARBON/SIEVE/HOPKALITE CARTRIDGE PP	1	ACCORDING TO THE APPLICATION					
43	36-07-034/PP/CARB	HYPERFILTER ACTIVE CARBON CARTRIDGE PP	1	ACCORDING TO THE APPLICATION					

Max time for replacement

N	CODE	ITEM TO CHANGE	MAX TIME FOR REPLACEMENT			
			1 YEAR	5 YEARS	10 YEARS	15 YEARS
1	36-05-0504	INTAKE FILTER CARTRIDGE MCH-36	●			
2	13-04-0238/AIR/420	HOSE HP Ø4X11 L 1200 F-F 7/16 INOX W.P. 420		●		
3	SC000872	SYNTHETIC OIL "COLTRI OIL ST 755" 5 LT TANK	●			
4	SC000688	OIL FILTER CARTRIDGE MCH-36	●			
5	LOOK AT SPARE PARTS CAT BELT		●			
6	36-07-016/R	4TH STAGE COMPLETE SEPARATOR HP KIT MCH-22/45				●
9	RE100368	HYPER FILTER (W/O FILTER CARTRIDGE)				●
10	LOOK AT SPARE PARTS CAT FINAL SAFETY VALVE				●	
29	22-05-001/R	1ST STAGE COOLING PIPE (1ST PART) Ø12 MOD. 450		●		
30	24-01-0001/A1/P	1ST STAGE COOLING PIPE (2ND PART) Ø12 MOD. 450		●		
31	22-05-006/R	2ND/3RD STAGE COOLING PIPE Ø12 MOD. 450		●		
32	22-05-011/R	3RD/4TH STAGE COOLING PIPE Ø12 MOD. 450		●		
33	22-05-009/P	SS PIPE Ø12 SS SEPARATOR 3° ST. MCH-22		●		
34	36-05-015/N/P	NEW 3RD/4TH STAGE SEPARATOR CONNECTION PIPE		●		
35	22-05-018/R	4TH STAGE COOLING PIPE KIT MOD. 450		●		
36	13-04-0322	HP TUBE HOLDER PRESSURE GAUGE Ø3X7 L 500 F7/16-F1/4 W.P. 420		●		
37	13-04-0327	HP TUBE HOLDER PRESSURE GAUGE Ø3X7 L 700 F7/16-F1/4 W.P. 420		●		
38	13-04-0213	HP TUBE HOLDER PRESSURE GAUGE Ø3X7 L 400 F7/16-F1/4 W.P. 420		●		

The machine is designed for constant use over time, therefore maintenance is normally based on an hourly schedule for the replacement of components subject to wear. If the machine is used occasionally or stopped for long periods, it is however advisable to replace the components listed above not beyond the indication given, even in the absence of use.

Any oil consumption during the replacement interval must be replenished using Coltri Oil, and it is the responsibility of the operator.

Kit

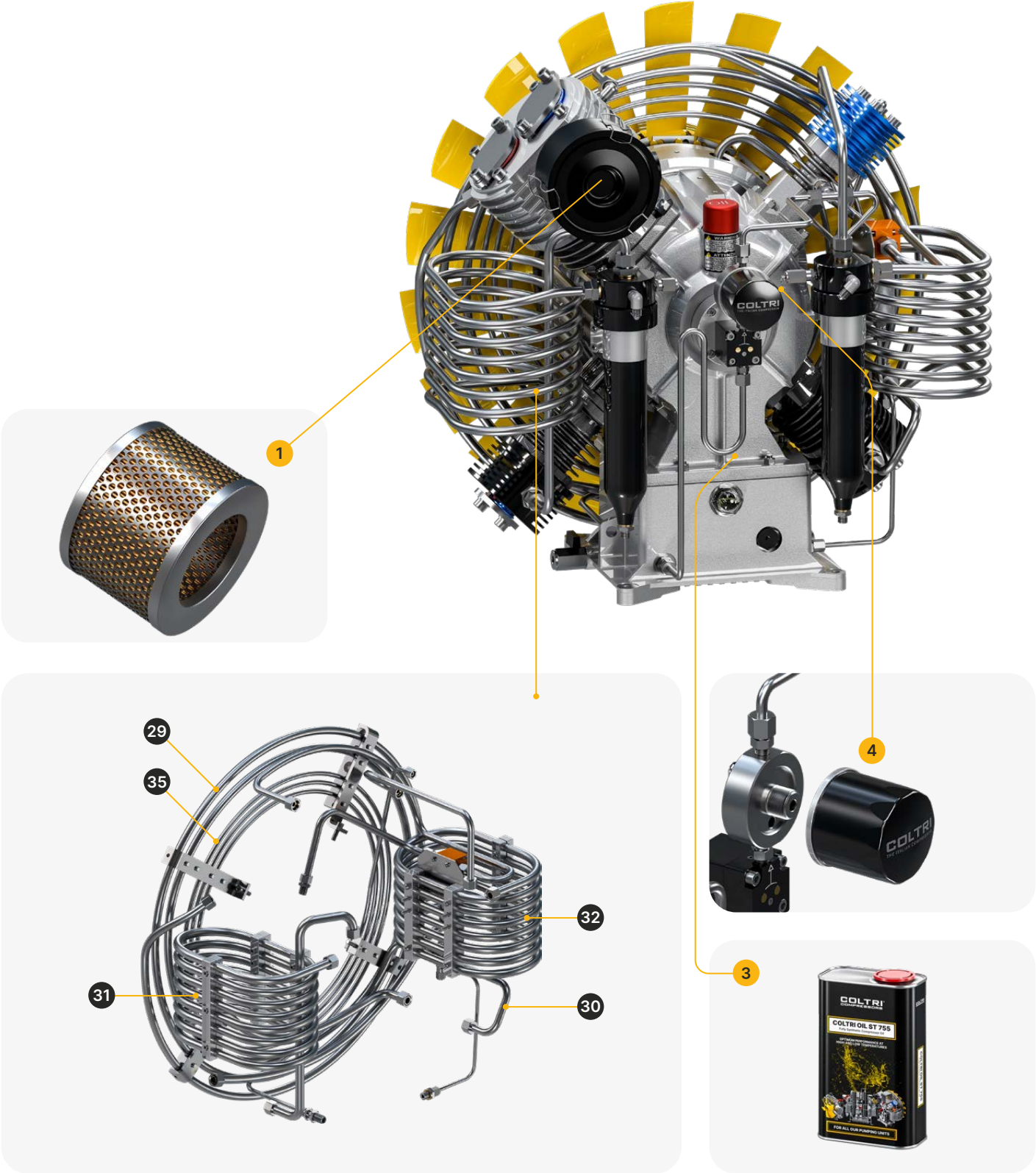
N	TECHNICAL EXPERTISE REQUIRED	N	INTERVENTION DESCRIPTION
N	COMPRESSOR OPERATOR		NO INTERVENTION
N	ONLY AEROTECNICA COLTRI CERTIFIED TECHNICIANS	●	COMPONENT TO BE CHECKED
		●	COMPONENT TO BE REPLACED

Hours of use

N	CODE	ITEM TO CHANGE OR CHECK	QUANTITY	HOURS OF USE					
				AT 500 AND AFTER 1,500, EVERY 1,000	AT 1,000 - 3,000 -7,000 - 9,000	AT 2,000 - 6,000	AT 4,000 - 8,000	AT 5,000	AT 10,000
1	36-05-0504	INTAKE FILTER CARTRIDGE MCH-36	1	●	●	●	●	●	●
3	SC000872	SYNTHETIC OIL "COLTRI OIL ST 755" 5 LT TANK	1		●	●	●	●	●
4	SC000688	OIL FILTER CARTRIDGE MCH-36	1		●	●	●	●	●
29	22-05-001/R	1ST STAGE COOLING PIPE (1ST PART) Ø12 MOD. 450	1				●		●
30	24-01-0001/A1/P	1ST STAGE COOLING PIPE (2ND PART) Ø12 MOD. 450	1				●		●
31	22-05-006/R	2ND/3RD STAGE COOLING PIPE Ø12 MOD. 450	1				●		●
32	22-05-011/R	3RD/4TH STAGE COOLING PIPE Ø12 MOD. 450	1				●		●
35	22-05-018/R	4TH STAGE COOLING PIPE KIT MOD. 450	1				●		●

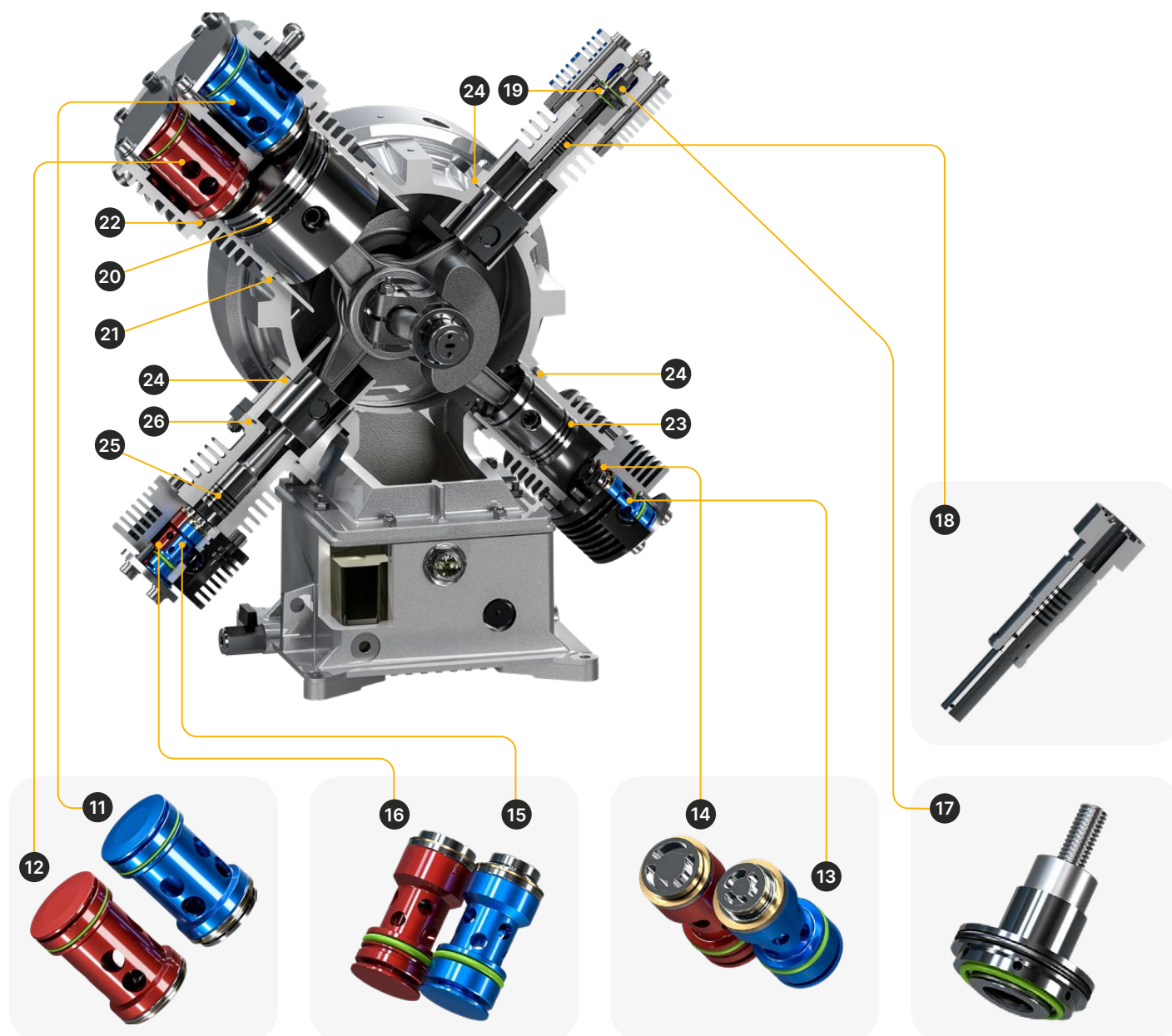
Max time for replacement

N	CODE	ITEM TO CHANGE	MAX TIME FOR REPLACEMENT			
			1 YEAR	5 YEARS	10 YEARS	15 YEARS
1	36-05-0504	INTAKE FILTER CARTRIDGE MCH-36	●			
3	SC000872	SYNTHETIC OIL "COLTRI OIL ST 755" 5 LT TANK	●			
4	SC000688	OIL FILTER CARTRIDGE MCH-36	●			
29	22-05-001/R	1ST STAGE COOLING PIPE (1ST PART) Ø12 MOD. 450		●		
30	24-01-0001/A1/P	1ST STAGE COOLING PIPE (2ND PART) Ø12 MOD. 450		●		
31	22-05-006/R	2ND/3RD STAGE COOLING PIPE Ø12 MOD. 450		●		
32	22-05-011/R	3RD/4TH STAGE COOLING PIPE Ø12 MOD. 450		●		
35	22-05-018/R	4TH STAGE COOLING PIPE KIT MOD. 450		●		



Hours of use

N	CODE	ITEM TO CHANGE OR CHECK	QUANTITY	HOURS OF USE					
				AT 500 AND AFTER 1500, EVERY 1000	AT 1000 - 3000 -7000 - 9000	AT 2.000 - 6.000	AT 4.000 - 8.000	AT 5.000	AT 10.000
11	36-01-021/R	1ST STAGE INTAKE VALVE KIT MCH-22/45	1	●	●	●	●	●	●
12	36-01-024/R	1ST STAGE DISCHARGE VALVE KIT MCH-22/45	1	●	●	●	●	●	●
13	36-02-012/R	2ND STAGE INTAKE VALVE KIT MCH-22/45	1	●	●	●	●	●	●
14	36-02-015/R	2ND STAGE DISCHARGE VALVE KIT MCH-22/45	1	●	●	●	●	●	●
15	36-03-015/R	3RD STAGE INTAKE VALVE KIT MCH-22/45	1	●	●	●	●	●	●
16	36-03-018/R	3RD STAGE DISCHARGE VALVE KIT MCH-22/45	1	●	●	●	●	●	●
17	36-04-011/1/R	4TH VALVE HEAD KIT MCH-22/45 / 3° ST. MCH-21/23	1	●	●	●	●	●	●
18	36-04-009/15/N/R	NEW 4TH STAGE CYLINDER KIT Ø15 MCH-22/45	1	●	●	●	●	●	●
19	24-01-0118	1ST STAGE PISTON RINGS Ø120 MCH-22/30	1		●	●			
20	36-01-005/R	KIT WITH 10 O-RING 2525 NBR 90 SH (Ø133,10X1,78)	1		●	●			
21	36-01-009/R	1ST STAGE GASKETS Ø130 MCH-22/45	1		●	●			
22	36-02-004	2ND STAGE PISTON RINGS (NR. 4) Ø60 MCH-22/45	1		●	●			
23	13-00-0015/R	KIT WITH 10 O-RING 2275 NBR 70 SH (Ø69,57X1,78)	2		●	●			
24	36-03-007	3RD STAGE PISTON RINGS (NR.4) Ø32 MCH-22/45	1		●	●			
25	13-00-0039/R	KIT WITH 10 O-RING 3237 NBR 90SH (Ø60,00X2,62)	1		●	●			
26	13-03-0123/90/R	KIT WITH 10 O-RING 2100 GREEN VITON 90 SH (Ø25,12X1,78)	1		●	●			

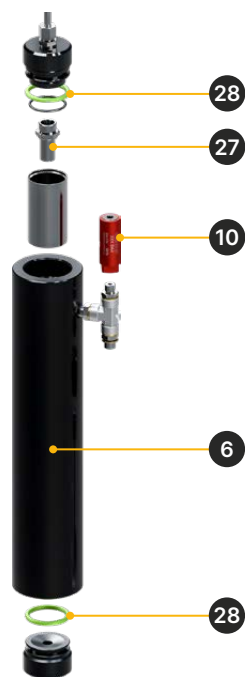


Hours of use

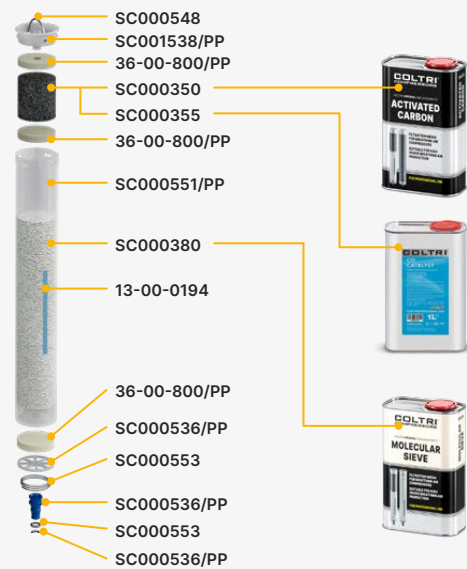
N	CODE	ITEM TO CHANGE OR CHECK	QUANTITY	HOURS OF USE					
				AT 500 AND AFTER 1500, EVERY 1000	AT 1000 - 3000 - 7000 - 9000	AT 2.000 - 6.000	AT 4.000 - 8.000	AT 5.000	AT 10.000
6	36-07-016/R	4TH STAGE COMPLETE SEPARATOR HP KIT MCH-22/45	1						●
9	RE100368	HYPER FILTER (W/O FILTER CARTRIDGE)	2						
10	LOOK AT SPARE PARTS CAT	FINAL SAFETY VALVE	1					●	●
27	36-07-023	SEPARATOR STAINLESS STEEL FILTER 1/2G	1				●		●
28	OR-6162V	O-RING 6162 VITON 90 SH (Ø40,65X5,34)	2				●		●
39	36-07-031/R	KIT OF 10 O-RING 6262 FKM GREEN 90 SH (Ø66,04X5,34)	2	2 O-RING EVERY FILTER CHANGE					
40	36-07-034/PP/A-MS	HYPERFILTER MOLECULAR SIEVE CARTRIDGE PP	1	ACCORDING TO THE APPLICATION					
41	36-07-034/PP/B-AC	HYPERFILTER ACT.CARB/MOLEC.SIEVE CARTRIDGE PP	1	ACCORDING TO THE APPLICATION					
42	36-07-034/PP/B-AC/MOL	HYPERFILTER ACTIVE CARBON/SIEVE/HOPKALITE CARTRIDGE PP	1	ACCORDING TO THE APPLICATION					
43	36-07-034/PP/CARB	HYPERFILTER ACTIVE CARBON CARTRIDGE PP	1	ACCORDING TO THE APPLICATION					

Max time for replacement

N	CODE	ITEM TO CHANGE	MAX TIME FOR REPLACEMENT			
			1 YEAR	5 YEARS	10 YEARS	15 YEARS
6	36-07-016/R	4TH STAGE COMPLETE SEPARATOR HP KIT MCH-22/45				●
9	RE100368	HYPER FILTER (W/O FILTER CARTRIDGE)				●
10	LOOK AT SPARE PARTS CAT	FINAL SAFETY VALVE			●	



The refill operations can be displayed in the technical section of the coltri.com website



For the type of the filter material and the replacement intervals, see the use and maintenance manual

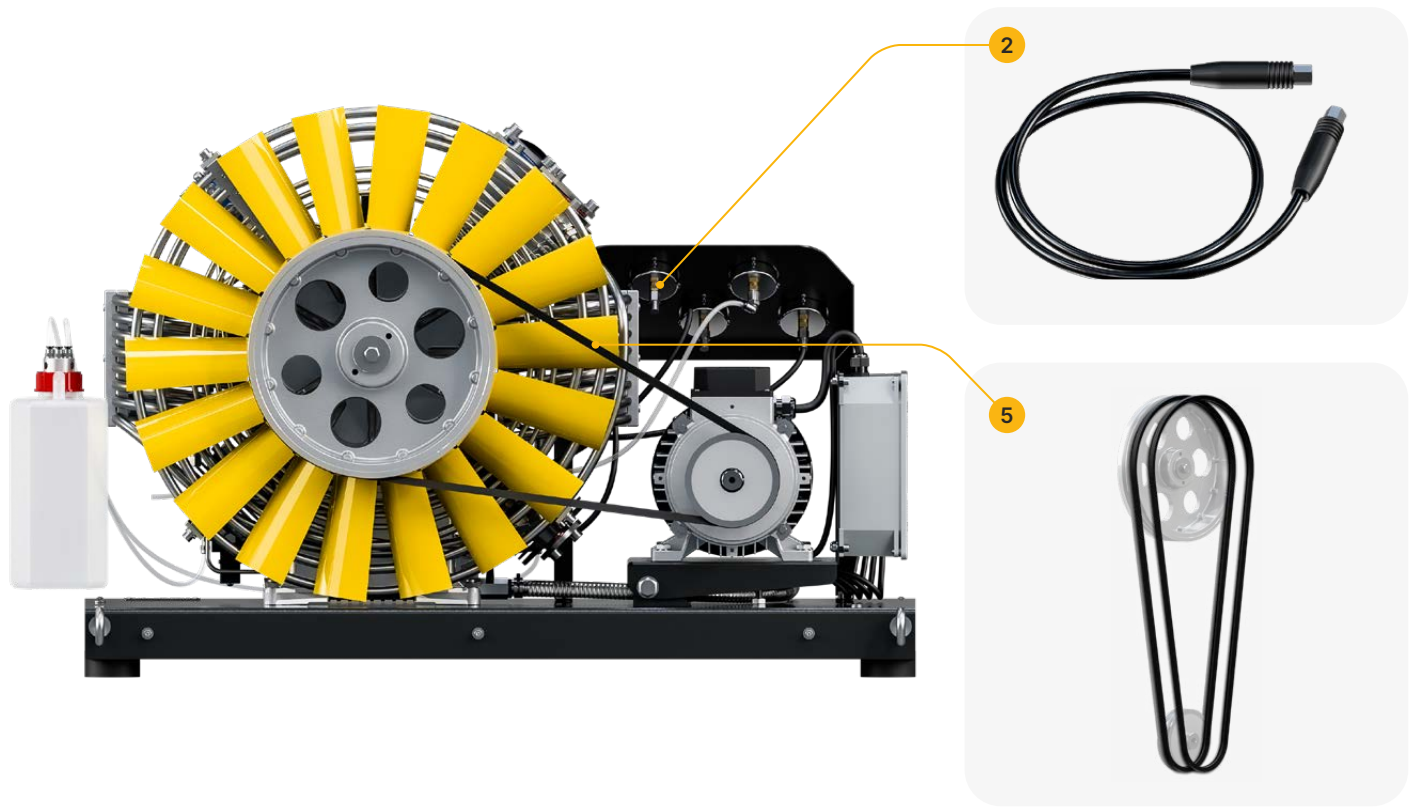


Hours of use

N	CODE	ITEM TO CHANGE OR CHECK	QUANTITY	HOURS OF USE					
				AT 500 AND AFTER 1500, EVERY 1000	AT 1000 - 3000 -7000 - 9000	AT 2.000 - 6.000	AT 4.000 - 8.000	AT 5.000	AT 10.000
2	13-04-0238/AIR/420	HOSE HP Ø4X11 L 1200 F-F 7/16 INOX W.P. 420	4						
5	LOOK AT SPARE PARTS CAT BELT		2	●	●	●	●	●	●

Max time for replacement

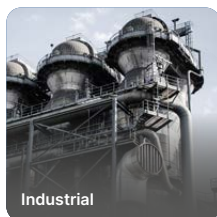
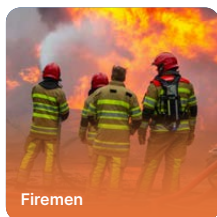
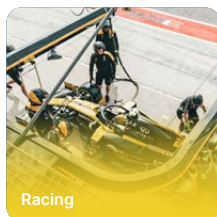
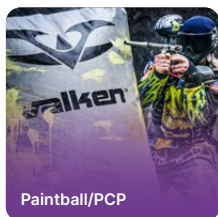
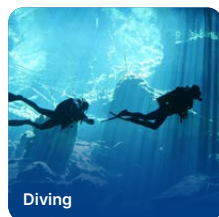
N	CODE	ITEM TO CHANGE	MAX TIME FOR REPLACEMENT			
			1 YEAR	5 YEARS	10 YEARS	15 YEARS
2	13-04-0238/AIR/420	HOSE HP Ø4X11 L 1200 F-F 7/16 INOX W.P. 420		●		
5	LOOK AT SPARE PARTS CAT BELT		●			



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Application fields



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