

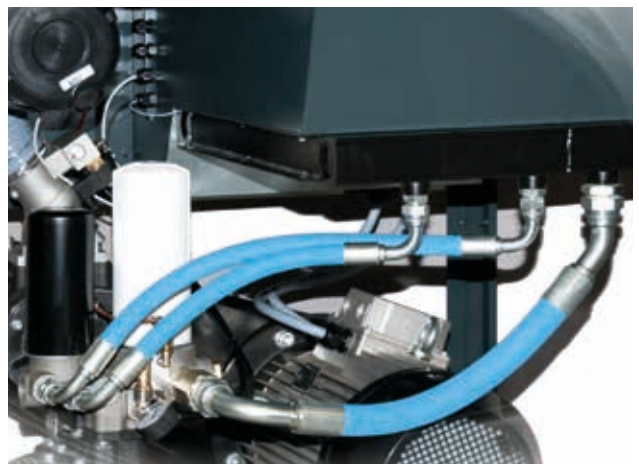
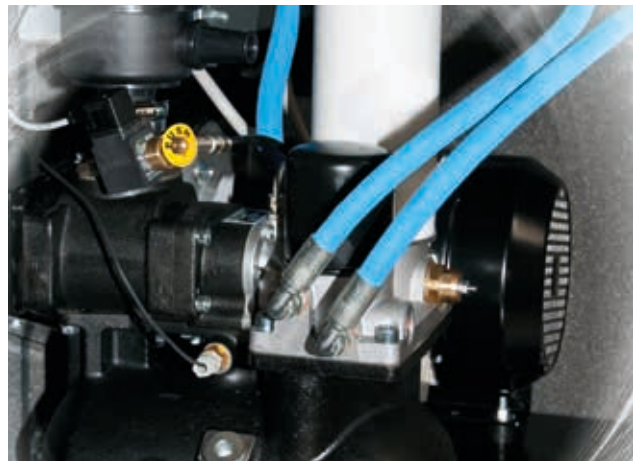
HIGH TEMPERATURE RANGE



// HIGH TEMPERATURE APPLICATIONS

ALFAGOMMA EVOLUTION HT 150 range guarantees high safety level and long lasting service in hydraulic oils, antifreeze solutions, coolants, compressed air and water transfer in severe applications where high temperature resistance is required.

- ▲ Specially compounded tube to resist up to 150 °C (300 °F) operating temperature
- ▲ Excellent abrasion, ozone and hydrocarbon resistant cover
- ▲ Exceeds SAE 100 R5, SAE 100 R1AT, SAE 100 R2AT and SAE 100 R4



// HIGH TEMPERATURE HOSE

// R5 EVOLUTION HT 150



High temperature SAE 100 R5

Tube: oil resistant synthetic rubber.

Reinforcement: one high tensile steel braid.

Cover: braided high tensile textile blue cord.

Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for high temperature applications.

Constant operation: -40 °C +150 °C (-40 °F +300 °F)

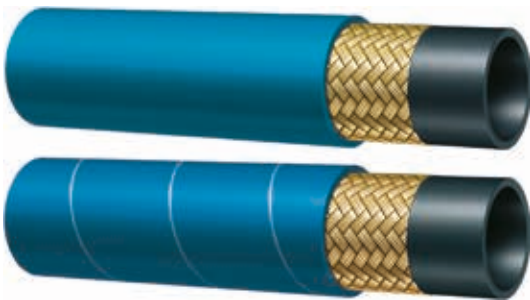
air max T = +85 °C (+185 °F) up to 5/8", +110 °C (+230 °F) over 3/4"

Safety factor: 1:4

Length: random up to 5/8" - 61 m max over 3/4"

Item Code	↔			↔		↙		↘		↷		⬆	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1004577	04	5,0	3/16"	13,50	0,53	21,0	3000	84,0	12000	75,0	2,95	0,355	0,24
1004578	05	6,3	1/4"	15,10	0,59	21,0	3000	84,0	12000	85,0	3,35	0,382	0,26
1004579	06	8,0	5/16"	17,30	0,68	15,7	2270	62,8	9080	100,0	3,94	0,501	0,34
1004580	07	10,3	13/32"	19,70	0,78	14,0	2000	56,0	8000	115,0	4,53	0,586	0,40
1004581	10	12,5	1/2"	23,50	0,93	12,2	1760	48,8	7000	140,0	5,51	0,752	0,51
1004582	12	16,0	5/8"	27,40	1,08	10,5	1530	42,0	6000	165,0	6,50	0,871	0,59
1004583	16	22,0	7/8"	31,40	1,24	5,6	800	22,4	3250	185,0	7,28	0,706	0,48
1004585	20	29,0	1 1/8"	37,60	1,48	4,3	625	17,2	2500	229,0	9,02	0,924	0,63
1004586	24	35,0	1 3/8"	44,00	1,73	3,5	525	14,0	2000	265,0	10,43	1,055	0,71
1004587	32	46,0	1 13/16"	56,40	2,22	2,4	350	9,6	1400	335,0	13,19	1,431	0,97

// 1SN EVOLUTION HT 150



High temperature SAE 100R1AT - EN 853 1SN - ISO 1436-1

Tube: oil resistant synthetic rubber.

Reinforcement: one high tensile steel braid.

Cover: smooth up to 5/8" - wrapped textile impression over 3/4".

Abrasion, ozone and hydrocarbon resistant blue synthetic rubber.

MSHA APPROVED

Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for high temperature applications. Not recommended for steam service.

Constant operation: -40 °C +150 °C (-40 °F +300 °F)

air max T = +85 °C (+185 °F) up to 5/8", +110 °C (+230 °F) over 3/4"

Safety factor: 4:1

Length: random up to 5/8" - 61 m max over 3/4"

Item Code	↔			↔		↙		↘		↷		⬆	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1004518	04	6,0	1/4"	12,70	0,50	22,5	3250	90,0	13000	100,0	3,94	0,206	0,14
1004519	06	10,0	3/8"	16,50	0,65	18,0	2610	72,0	10500	130,0	5,12	0,307	0,21
1004520	08	13,0	1/2"	19,90	0,78	16,0	2320	64,0	9280	180,0	7,09	0,379	0,26
1004521	10	16,0	5/8"	22,70	0,89	13,0	1900	52,0	7560	200,0	7,87	0,436	0,30
1004522	12	19,0	3/4"	27,00	1,06	10,5	1530	42,0	6000	240,0	9,45	0,565	0,38
1004523	16	25,0	1"	35,80	1,41	8,8	1280	35,2	5100	300,0	11,81	0,976	0,66
1004530	20	32,0	1 1/4"	42,10	1,66	6,3	920	25,2	3680	420,0	16,54	1,121	0,76
1004531	24	38,0	1 1/2"	49,20	1,94	5,0	730	20,0	2900	500,0	19,69	1,443	0,97
1004532	32	51,0	2"	62,40	2,46	4,0	600	16,0	2320	630,0	24,80	1,911	1,29

// 2SN EVOLUTION HT 150



High temperature SAE 100R2AT - EN 853 2SN - ISO 1436-1

Tube: oil resistant synthetic rubber.

Reinforcement: two high tensile steel braids.

Cover: smooth up to 5/8" - wrapped textile impression over 3/4".

Abrasion, ozone and hydrocarbon resistant blue synthetic rubber.

MSHA APPROVED

Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for high temperature applications. Not recommended for steam service.

Constant operation: -40 °C +150 °C (-40 °F +300 °F)

air max T = +85 °C (+185 °F) up to 5/8", +110 °C (+230 °F) over 3/4"

Safety factor: 4:1

Length: random up to 5/8" - 61 m max over 3/4"

Item Code	↔			↔		↙		↘		⤴		⬆	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1004524	04	6,0	1/4"	14,20	0,56	40,0	5850	160,0	23200	100,0	3,94	0,339	0,23
1004525	06	10,0	3/8"	18,40	0,72	33,0	4800	132,0	19200	125,0	4,92	0,480	0,33
1004526	08	13,0	1/2"	21,10	0,83	27,5	4000	110,0	16000	175,0	6,89	0,549	0,37
1004527	10	16,0	5/8"	24,50	0,96	25,0	3630	100,0	14500	200,0	7,87	0,689	0,47
1004528	12	19,0	3/4"	29,00	1,14	21,5	3120	86,0	12500	240,0	9,45	0,881	0,60
1004529	16	25,0	1"	37,40	1,47	16,5	2400	66,0	9600	300,0	11,81	1,364	0,92
1004533	20	32,0	1 1/4"	46,40	1,83	12,5	1820	50,0	7280	420,0	16,54	1,894	1,28
1004534	24	38,0	1 1/2"	52,80	2,08	9,0	1310	36,0	5240	500,0	19,69	2,129	1,44
1004535	32	51,0	2"	65,60	2,58	8,0	1200	32,0	4640	630,0	24,80	2,815	1,90

// FLEXOR R4 644 HT



Extra flexible - High temperature SAE 100 R4

Tube: oil resistant synthetic rubber.

Reinforcement: high tensile textile cords with embedded steel helix wire.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

MSHA APPROVED

Application: fuel, oil and hydraulic fluids with 50% max aromatic content suction and delivery. Specially designed for high temperature applications and hydraulic oil return lines requiring tight bend radius.

Constant operation: -40 °C +135 °C (-40 °F +275 °F)

Length: 61 m max

Item Code	↔			↔		↙		↘		⤴		⬆	
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001277	12	19,0	3/4"	30,00	1,18	2,1	300	8,4	1200	38,0	1,50	0,630	0,43
1001274	16	25,0	1"	36,00	1,42	1,7	250	6,8	986	50,0	1,97	0,810	0,55
1001196	20	32,0	1 1/4"	43,00	1,69	1,4	200	5,6	800	64,0	2,52	1,000	0,68
1001279	24	38,0	1 1/2"	49,00	1,93	1,0	150	4,0	600	76,0	2,99	1,150	0,78
1001281	32	51,0	2"	62,00	2,44	0,7	100	2,8	400	102,0	4,02	1,490	1,01
1001283	40	63,0	2 1/2"	76,00	2,99	0,5	75	2,0	300	125,0	4,92	2,230	1,50
1001285	48	76,0	3"	89,00	3,50	0,5	75	2,0	300	152,0	5,98	2,750	1,85
1001290	64	102,0	4"	116,00	4,57	0,5	75	2,0	300	203,0	7,99	3,610	2,43

// 142AK



Compressed air 40 bar (600 psi) - High temperature - Oil resistant - Steel braided

Tube: black NBR (RMA Class A) - oil mist resistant.

Reinforcement: high tensile steel wire braids.

Cover: yellow SBR/NBR - abrasion, ozone, hydrocarbon and flame resistant - pin pricked.

Application: high pressure compressed air designed for heavy duty mine and quarry applications where long service life and maximum safety is required.

Constant operation: -40 °C +120 °C (-40 °F +248 °F)

↔		↔		↻		↻		⤴		⚡	⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	64,00	2,52	40	600	160	2320	255,0	10,04		1,910	1,29
76,0	3"	90,00	3,54	40	600	120	1750	380,0	14,96		3,270	2,20

// 132AE



Compressed air 80 bar (1200 psi) - High temperature - Steel braided

Tube: black chlorobutyl - oil mist (maximum six parts per million) and high temperature resistant.

Reinforcement: high tensile steel wire braids.

Cover: blue EPDM - abrasion and ozone resistant - pin pricked.

Application: high pressure compressed air designed for heavy duty mine and quarry applications where long service life and maximum safety is required.

Designed for use of EN 853 2ST fittings.

Constant operation: -40 °C +150 °C (-40 °F +300 °F) with peaks of 232 °C (450 °F)

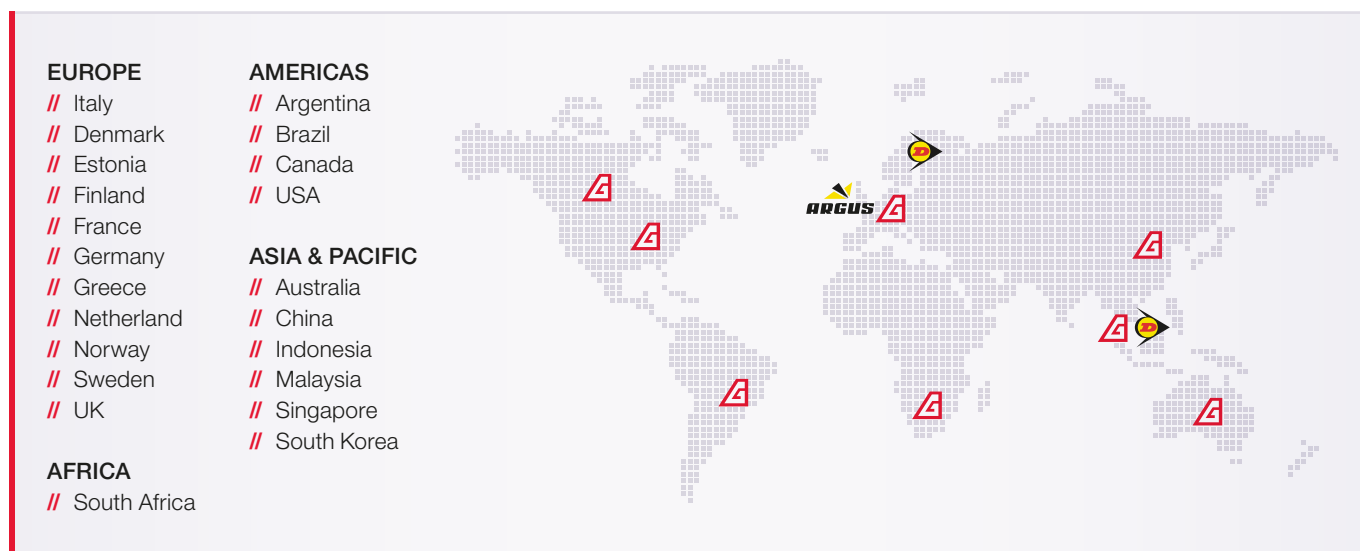
↔		↔		↻		↻		⤴		⚡	⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
51,0	2"	67,00	2,64	80	1200	320	4640	255,0	10,04		2,620	1,77

// PROVIDING EXCELLENCE AND RELIABILITY

The ALFAGOMMA Group, established in 1956, is a global manufacturer specialized in highly engineered, complex hydraulic and industrial products, created with a commitment to excellence in quality and innovation.

// GLOBAL PRESENCE AND LOGISTIC SUPPORT

The ALFAGOMMA Group currently employs over 3600 people worldwide in 22 Production Plants and 86 Regional Distribution – Assembly Centers strategically located in:



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