

MAXIMUM RECOMMENDED OPERATING PRESSURES

The table below is intended as a guide in the selection of hose by operating pressure. It is not a guarantee. The final selection is also dependent upon the type of fluid, ambient temperature, concentration of agent, intermittent or continuous exposure,

etc. For further details on a specific hose see the respective catalog pages or consult your local ALFAGOMMA or Piranhaflex Sales Engineer or ALFAGOMMA S.p.A.

Maximum Operating Pressure (PSI)

New Kuriyama Series	Hose Series Name	Diameter											
		inches	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2
		DN	5	6	8	10	12	16	20	25	32	38	50
		Size	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
T604AA	FLEXOR 4								300	250	200	150	100
TR6	FLEXOR 6			400	400	400	400	350	300	250			
TR3	FLEXOR 3			1250	1200	1125	1000	875	750	565	377		
PF354 PF354NC	PIRANHAFLEX		3000	2750	2500	2250	2000		1250				
PF367 PF367NC	PIRANHAFLEX		3000	2750	2500	2250	2000		1250				
PFP354	PIRANHAFLEX			2750		2250	2000						
PFP354NC	PIRANHAFLEX			2750		2250	2000						
PFAN388NC	PIRANHAFLEX			3000		3000	3000						
PF628 PF628NC	PIRANHAFLEX			5000		4000	3500		2250				
PF427 PF427NC	PIRANHAFLEX			3000		3000	3000						
TR1SN	FLEXOR 1AT/1SN		3630	3270	3120	2610	2320	1890	1530	1280	920	730	580
T1SNNT	TEMP TECH 1SN					2610	2320		1530	1280			
TR2SN	FLEXOR 2AT/2SN		6000	5800	5000	4800	4000	3630	3120	2400	1820	1310	1160
T2SNNT	TEMP TECH 2SN		6000	5800	5000	4800	4000	3630	3120	2400	1820	1310	1160
TF2MT TR2LT	FLEXOPAK 2/2LT			5850	5500	5000	4500	4000	3500	2700			
TR12	FLEXOR 12					4000	4000	4000	4000	4000	3000	2500	2500
TR13	FLEXOR 13								5000	5000	5000	5000	5000
T4SP	FLEXOR 4SP			6550		6450	6000	5000	5000	4000			
T4SH	FLEXOR 4SH								6000	5500	4700	4200	3650
AT3KMT AT3KST	ALFATECH 3000 MINETUFF, ALFATECH 3000 SUPERTUFF			3000	3000	3000	3000	3000	3000	3000			
AT4K AT4KMT AT4KST	ALFATECH 4000, ALFATECH 4000 MINETUFF, ALFATECH 4000 SUPERTUFF						4000	4000	4000	4000	4000	4000	4000
AT5K AT5KMT	ALFATECH 5000, ALFATECH 5000 SUPERTUFF					5000	5000	5000	5000	5000	5000	5000	5000
AT6K AT6KMT AT6KST	ALFATECH 6000, ALFATECH 6000 MINETUFF, ALFATECH 6000 SUPERTUFF						6000	6000	6000	6000	6000	6000	6000
TAJ3BK TAJ3BU	ALFAJET 210			3000	3000	3000	3000						
TAJ5BK TAJ5BU	ALFAJET 400			5800	5800	5800	4500						

Flexor 5 100R5 Reduced Bore Sizes and Working Pressures

New Kuriyama Series	Series Name	Diameter											
		inches	3/16	1/4	5/16	13/32	1/2	5/8	7/8	1 1/8	1 3/8	1 13/16	
		Dash Size	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	
TR5	FLEXOR 5		3000	3000	2250	2000	1750	1500	800	625	500	350	

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Hose Selection Guide



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etc. For further details on a specific hose see the respective catalog pages or consult your local ALFAGOMMA or Piranhaflex Sales Engineer or ALFAGOMMA S.p.A

Maximum Operating Pressure (MPa)

New Kuriyama Series	Hose Series Name	Diameter											
		inches	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2
		DN	5	6	8	10	12	16	20	25	32	38	50
		Size	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
T604AA	FLEXOR 4								2.1	1.7	1.4	1	0.7
TR6	FLEXOR 6			2.8	2.8	2.8	2.8	2.4	2.1	1.7			
TR3	FLEXOR 3			8.6	8.3	7.8	7	6	5.2	3.9	2.6		
PF354 PF354NC	PIRANHAFLEX		20.7	19	17.2	15.5	13.8		8.6				
PF367 PF367NC	PIRANHAFLEX		20.7	19	17.2	15.5	13.8		8.6				
PFP354	PIRANHAFLEX			19		15.5	13.8						
PFP354NC	PIRANHAFLEX			19		15.5	13.8						
PFAN388NC	PIRANHAFLEX			20.7		20.7	20.7						
PF628 PF628NC	PIRANHAFLEX			34.5		27.6	24.1		15.5				
PF427 PF427NC	PIRANHAFLEX			20.7		20.7	20.7						
TR1SN	FLEXOR 1AT/1SN		25	22.5	21.5	18	16	13	10.5	8.8	6.3	5	4
T1SNTT	TEMP TECH 1SN					18	16	13	10.5	8.8			
TR2SN	FLEXOR 2AT/2SN		42	40	35	33	28	25	21.5	16.5	12.5	9	8
T2SNTT	TEMP TECH 2SN		42	40	35	33	28	25	21.5	16.5	12.5	9	8
TF2MT TR2LT	FLEXOPAK 2/2LT			40	37.5	35	31	28	24	18.5			
TR12	FLEXOR 12					28	28	28	28	28	21	17.5	17.5
TR13	FLEXOR 13								35	35	35	35	35
T4SP	FLEXOR 4SP			45		44.5	42	35	35	28	21	18.5	17.5
T4SH	FLEXOR 4SH								42	38	32.5	29	25
AT3KMT AT3KST	ALFATECH 3000 MINETUFF, ALFATECH 3000 SUPERTUFF			21	21	21	21	21	21	21			
AT4K AT4KMT AT4KST	ALFATECH 4000, ALFATECH 4000 MINETUFF, ALFATECH 4000 SUPERTUFF							28	28	28	28	28	28
AT5K AT5KMT	ALFATECH 5000, ALFATECH 5000 SUPERTUFF					35	35	35	35	35	35	35	35
AT6K AT6KMT AT6KST	ALFATECH 6000, ALFATECH 6000 MINETUFF, ALFATECH 6000 SUPERTUFF							42	42	42	42	42	42
TAJ3BK TAJ3BU	ALFAJET 210			21	21	21	21						
TAJ5BK TAJ5BU	ALFAJET 400			40	40	40	30						

Flexor 5 100R5 Reduced Bore Sizes and Pressures

New Kuriyama Series	Series Name	Diameter											
		inches Dash Size	3/16	1/4	5/16	13/32	1/2	5/8	7/8	1 1/8	1 3/8	1 13/16	
			-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	
TR5	FLEXOR 5		21	21	15.5	14	12.1	10.3	5.5	4.3	3.4	2.4	

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AGENCY SPECIFICATIONS

The listings below are intended only as guides in identifying which ALFAGOMMA or Piranhaflex hoses comply with requirements of various agencies.

SAE – Society of Automotive Engineers

DNV – Det Norske Veritas

NKK – Nippon Kaiji Kyokai

DIN – Deutsche Institute Normen

ABS – American Bureau of Shipping

RINA – Registro Navale Italiano

EN – European Norme

GIG – Glowny Instytut Gornietwa

MSHA (US) – Mining Safety and Health Administration

ISO – International Organization for Standardization

GL – Germanischer Lloyd

USDOT – U.S. Department of Transportation

BV – Bureau Veritas

New Kuriyama Series	HOSE TYPE		AGENCY													
	(use) Hose Type	Page No.	SAE J517	DIN	EN	ISO	ALFAGOMMA Proprietary Hose	DNV‡	ABS	GIG	GL	BV	NKK	RINA	MSHA	USDOT
T604AA	FLEXOR 4	16	100 R4									X			X	
TR6	FLEXOR 6	17	100 R6			854 R6										
TR3	FLEXOR 3	18	100 R3			854 R3										
TR5	FLEXOR 5	19	100 R5													X
PF354 PF354NC	PIRANHAFLEX	20	100 R7													
PF367 PF367NC	PIRANHAFLEX	21	100 R7													
PPF354	PIRANHAFLEX	22	100 R7													
PPF354NC	PIRANHAFLEX	23	100 R7													
PFAN388NC	PIRANHAFLEX	24	100 R7													
PF628 PF628NC	PIRANHAFLEX	25	100 R8													
PF427 PF427NC	PIRANHAFLEX	26	100R18													
TR1SN	FLEXOR 1AT/1SN	28	100 R1AT	20022 1SN	853 1SN	1436		X	X		X	X	X	X		
T1SNTT	TEMP TECH 1SN	29	100 R1AT		853 1SN		X								X	
TR2SN	FLEXOR 2AT/2SN	30	100 R2AT	20022 2SN	853 2SN	1436		X	X	X	X	X	X	X		
T2SNTT	TEMP TECH 2SN	31	100 R2AT		853 2SN		X									
TF2MT TF2LT	FLEXOPAK 2/2LT	33/34	100 R16		857 2SC	11237		X		X		X		X		
TR12	FLEXOR 12	35	100 R12			3862		X					X	X	X	
TR13	FLEXOR 13	36	100 R13		856	3862		X			X	X	X	X	X	
T4SP	FLEXOR 4SP	37		20023 4SP	856 4SP	3862		X		X		X	X	X	X	
T4SH	FLEXOR 4SH	38		20023 4SH	856 4SH	3862		X			X	X	X	X	X	
AT3KMT	ALFATECH 3000 MINETUFF	43	100 R17		857	11237	X								X	
AT3KST	ALFATECH 3000 SUPERTUFF	47					X									
AT4K	ALFATECH 4000	40					X									
AT4KMT	ALFATECH 4000 MINETUFF	44					X									
AT4KST	ALFATECH 4000 SUPERTUFF	48					X									
AT5K	ALFATECH 5000	41					X									
AT5KMT	ALFATECH 5000 MINETUFF	45					X									
AT5KST	ALFATECH 5000 SUPERTUFF	49					X									
AT6K	ALFATECH 6000	42					X								X	
AT6KMT	ALFATECH 6000 MINETUFF	46					X								X	
AT6KST	ALFATECH 6000 SUPERTUFF	50	100 R15				X	X	X		X		X	X		
TAJ3BK TAJ3BU	ALFAJET 210	51					X									
TAJ5BK TAJ5BU	ALFAJET 400	52					X									

‡ Det Norske Veritas (DNV) approvals are with permanent (crimp) type fittings only

¶ Hose with MSHA (Mine Safety and Health Administration) approved cover will be accordingly on the layline Listing may vary by hose style and size, for current and complete information, contact ALFAGOMMA or Piranhaflex for details.

* DOT Type All approval up to size -12

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