



UPGRADED SUCTION & RETURN R4 HOSES

SRF/P
DEFIANT COVER

MORE COMPACT
MORE FLEXIBLE
MORE DN SIZES

SRX/HT
XTREME COVER

EXTRA FLEXIBLE
HIGHER W.P.
HEAT RESISTANT



CONNECTING PARTNERSHIPS

www.ryco-hydraulics.com

RANGE UPGRADE

As part of our commitment to continuous improvement, RYCO has developed two new hose families, intended as direct upgrades for the existing SRF and SRX suction and return hoses.

These new hose families, SRF/P and SRX/HT offer all the benefits of their predecessors, with increased flexibility and compactness, extended size range, and better performances.

SRF/P vs. SRF

SRF/P is more compact and lighter than SRF

SRF/P has a lower bending force requirement than SRF

SRF/P has a larger range of sizes, with the addition of DN 63, 76, 89, 102

SRX/HT vs. SRX

SRX/HT is more compact and lighter than SRX

SRX/HT has a lower bending force requirement than SRX

SRX/HT has a higher maximum working temperature (135°C vs. 100°C) than SRX

SRX/HT has a higher working pressure than SRX

SRX/HT has a larger range of sizes, with the addition of DN 89, 102

Please note that the fitting solutions for each new hose family remain the same as for their older equivalents (T4000), but the crimping diameters will be different, due to relevant OD changes.

DISCLAIMER

We reserve the right to modify or discontinue any product and/or related service described in this documentation without notice. No product is warranted as being fit for a particular purpose and we do not assume any liability in connection with the use of our products other than those technically approved by us for specific products. This document supersedes all previous versions and previously issued documentation.

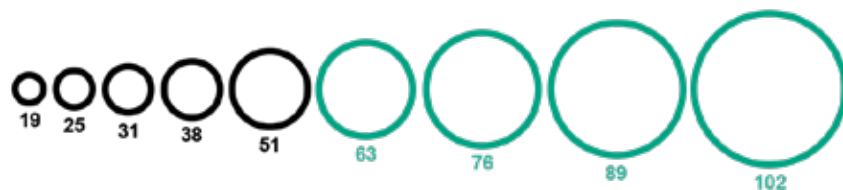
For more information, please contact us at via our dedicated Contact Form: www.ryco-hydraulics.com/contact-us/

R4 HOSES



SIZE AND OD CHANG-

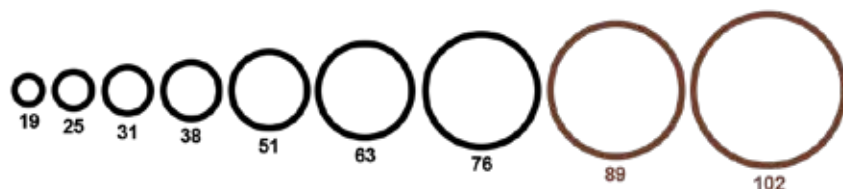
SRF/P



SRF - DEFIANT COMPACT SUCTION AND RETURN HOSE						
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD	
Hose	DN	Dash	mm	inch	mm	inch
SRF12	19	-12	19,1	3/4	31,5	1.24
SRF16	25	-16	25,4	1	40,0	1.57
SRF20	31	-20	31,8	1.1/4	46,5	1.83
SRF24	38	-24	38,1	1.1/2	53,1	2.09
SRF32	51	-32	50,8	2	65,5	2.58

SRF/P - DEFIANT COMPACT SUCTION AND RETURN HOSE						
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD	
Hose	DN	Dash	mm	inch	mm	inch
SRFP12	19	-12	19.1	3/4	29.6	1.16
SRFP16	25	-16	25.4	1	36.0	1.41
SRFP20	31	-20	31.8	1.1/4	42.6	1.67
SRFP24	38	-24	38.1	1.1/2	49.4	1.94
SRFP32	51	-32	50.8	2	62.4	2.45
SRFP40	63	-40	63.5	2.1/2	76.7	3.01
SRFP48	76	-48	76.2	3	88.6	3.48
SRFP56	89	-56	88.9	3.1/2	103.9	4.09
SRFP64	102	-64	101.6	4	116.4	4.58

SRX/HT



SRX - XTREME SUCTION AND RETURN HOSE						
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD	
Hose	DN	Dash	mm	inch	mm	inch
SRX12	19	-12	19,1	3/4	29,6	1.17
SRX16	25	-16	25,4	1	36,2	1.43
SRX20	31	-20	31,8	1.1/4	44,0	1.73
SRX24	38	-24	38,1	1.1/2	49,4	1.94
SRX32	51	-32	50,8	2	63,8	2.51
SRX40	63	-40	63,5	2.1/2	76,5	3.01
SRX48	76	-48	76,2	3	89,9	3.54

SRX/HT - EXTREME COMPACT SUCTION AND RETURN HOSE						
PART NO	HOSE SIZE		NOMINAL HOSE ID		NOMINAL HOSE OD	
Hose	DN	Dash	mm	inch	mm	inch
SRXHT12	19	-12	19.1	3/4	29.6	1.16
SRXHT16	25	-16	25.4	1	36.0	1.41
SRXHT20	31	-20	31.8	1.1/4	43.0	1.69
SRXHT24	38	-24	38.1	1.1/2	49.6	1.95
SRXHT32	51	-32	50.8	2	62.4	2.45
SRXHT40	63	-40	63.5	2.1/2	75.7	2.98
SRXHT48	76	-48	76.2	3	88.2	3.47
SRXHT56	89	-56	88.9	3.1/2	103.5	4.07
SRXHT64	102	-64	101.6	4	116.6	4.59

SUCTION & RETURN

SRF/P

**COMPACT
SUCTION & RETURN HOSE**

RECOMMENDED FOR:

Petroleum and water base hydraulic fluids in suction lines or in low pressure return lines. Small bend radius is an advantage in installations where space is minimal.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
AS 3791 100R4, SAE J517 100R4.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Textile reinforcement with spiral wire to prevent collapsing.

COVER:

Black, oil resistant and abrasion resistant synthetic rubber.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -12 to -48)

NON-SKIVE TWO-PIECE CRIMP

MF Series + M03400 Ferrule (Sizes -56 to -64)

SRF/P - DEFiant COMPACT SUCTION AND RETURN HOSE																	
PART NO	HOSE SIZE	NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		VACUUM RATING		AVERAGE WEIGHT		COUPLING SERIES	
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	mmHg	inHg	kg/m	lb/ft	NON-SKIVE
SRFP12	19	-12	19.1	3/4	29.6	1.16	21	300	84	1,200	65	2.5	635	25	533	0.36	T4000
SRFP16	25	-16	25.4	1	36.0	1.41	17	250	68	1,000	75	2.9	635	25	666	0.45	T4000
SRFP20	31	-20	31.8	1.1/4	42.6	1.67	14	200	56	800	100	3.9	635	25	812	0.55	T4000
SRFP24	38	-24	38.1	1.1/2	49.4	1.94	11	150	42	600	125	4.9	635	25	1,047	0.70	T4000
SRFP32	51	-32	50.8	2	62.4	2.45	7	100	28	400	150	5.9	635	25	1,414	0.95	T4000
SRFP40	63	-40	63.5	2.1/2	76.7	3.01	4	60	17	240	235	9.25	635	25	2,357	1.58	T4000
SRFP48	76	-48	76.2	3	88.6	3.48	4	60	17	240	300	11.81	635	25	2,712	1.82	T4000
SRFP56	89	-56	88.9	3.1/2	103.9	4.09	3	40	12	170	350	13.78	635	25	3,425	2.30	MF + M03400-56
SRFP64	102	-64	101.6	4	116.4	4.58	3	40	12	170	400	15.75	635	25	3,990	2.68	MF + M03400-64

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE



SUCTION & RETURN

SRX/HT

HIGH TEMPERATURE
EXTREME FLEXIBILITY
COMPACT
SUCTION & RETURN



RECOMMENDED FOR:

Petroleum and water base hydraulic fluids in suction lines or in low pressure return lines. Extreme Flexibility is an advantage in installations where space is minimal.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
AS 3791 100R4, SAE J517 100R4.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Textile reinforcement with spiral wire to prevent collapsing.

COVER:

Black, oil resistant and abrasion resistant synthetic rubber.

TEMPERATURE RANGE:

From -40°C to +135°C (-40°F to +275°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).









COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -12 to -48)

NON-SKIVE TWO-PIECE CRIMP

MF Series + M03400 Ferrule (Sizes -56 to -64)

SRX/HT - EXTREME COMPACT SUCTION AND RETURN HOSE																			
PART NO	HOSE SIZE	NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS				VACUUM RATING		AVERAGE WEIGHT		COUPLING SERIES	
										-20°C			-40°C						
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	mm	inch	mmHg	inHg	kg/m	lb/ft	NON-SKIVE
SRXHT12	19	-12	19.1	3/4	29.6	1.16	25	360	100	1,450	40	1.6	80	3.2	635	25	530	0.36	T4000
SRXHT16	25	-16	25.4	1	36.0	1.41	25	360	100	1,450	45	1.8	100	3.9	635	25	672	0.45	T4000
SRXHT20	31	-20	31.8	1.1/4	43.0	1.69	17	250	70	1,010	60	2.4	130	5.1	635	25	836	0.56	T4000
SRXHT24	38	-24	38.1	1.1/2	49.6	1.95	17	250	70	1,010	65	2.6	170	6.7	635	25	1,098	0.74	T4000
SRXHT32	51	-32	50.8	2	62.4	2.45	10	150	42	600	100	3.9	200	7.9	635	25	1,408	0.95	T4000
SRXHT40	63	-40	63.5	2.1/2	75.7	2.98	10	150	42	600	140	5.5	235	9.3	635	25	2,250	1.51	T4000
SRXHT48	76	-48	76.2	3	88.2	3.47	7	100	28	400	180	7.1	300	11.8	635	25	2,703	1.82	T4000
SRXHT56	89	-56	88.9	3.1/2	103.5	4.07	5	70	21	304	210	8.3	350	13.77	635	25	3,620	2.43	MF + M03400-56
SRXHT64	102	-64	101.6	4	116.6	4.59	5	70	21	304	250	9.8	400	15.74	635	25	4,220	2.83	MF + M03400-64

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.



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