

EQUATOR/1 (BLACK)

EXTREME HIGH TEMPERATURE - BLACK VERSION



HOSES 57

TECHNICAL DATA																	
PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS	
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Std 1	Std 2
H01058006*	6	-4	1/4"	11.0	0.43	13.4	0.53	225	3,260	1,000	14,500	100	3.94	240	0.16	MF+M00120-04	OPF-04
H01058008*	8	-5	5/16"	12.6	0.50	15.0	0.59	215	3,110	900	13,050	114	4.49	280	0.19	MF+M00120-05	
H01058010*	10	-6	3/8"	15.0	0.59	17.3	0.68	180	2,610	800	11,600	127	5.00	335	0.23	MF+M00120-06	
H01058012*	12	-8	1/2"	18.1	0.71	20.5	0.81	160	2,320	680	9,860	178	7.01	430	0.29	MF+M00120-08	
H01058016*	16	-10	5/8"	21.3	0.84	23.5	0.93	130	1,880	600	8,700	200	7.87	500	0.34	MF+M00120-10	
H01058019*	19	-12	3/4"	25.2	0.99	27.7	1.09	105	1,520	500	7,250	240	9.45	640	0.43	MF+M00120-12	
H01058025*	25	-16	1"	33.1	1.30	35.8	1.41	88	1,270	360	5,220	300	11.81	970	0.65	MF+M00130-16	
H01058031*	31	-20	1.1/4"	40.6	1.60	43.5	1.71	65	940	345	5,000	420	16.54	1,300	0.87	MF+M00110-20	OPK-20
H01058038*	38	-24	1.1/2"	46.9	1.85	50.0	1.97	50	720	290	4,200	500	19.69	1,540	1.03	MF+M00110-24	OPK-24
H01058051*	51	-32	2"	60.4	2.38	63.1	2.48	40	580	250	3,620	630	24.80	2,100	1.41	MF+M00110-32	OPK-32
H01058063*	63	-40	2.1/2"	72.0	2.83	74.6	2.94	35	500	140	2,030	600	23.62	2,400	1.61	MF+M03400-40	

KEY FEATURES

- Wide range temperature resistance
- EN/DIN and new SAE pressure rating
- Outstanding ozone resistance
- Superior weather and UV resistance
- High aging resistance

APPLICATIONS & FLUIDS

- Hydraulics: low-medium pressure lines in extreme temperature conditions (foundries, compressors, hydraulics within engine compartments, etc.)
- Mineral oils, glycols and polyglycols, transmission fluids, air with oil vapours, mineral oils in aqueous emulsion (up to 212°F/100°C)

CONTINUOUS SERVICE TEMPERATURE RANGE

-55 °C, -67 °F
135 °C, 275 °F

MAX. OPERATING TEMPERATURE

150 °C, 300 °F

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

One high tensile steel braid

COVER

STANDARD - TYPE "XT"
Synthetic rubber with high ozone, weather and heat resistance

APPLICABLE SPECS

Exceeds EN 853 1SN; SAE 100 R1AT; ISO 1436 1SN/R1AT

TYPE APPROVALS

ABS; DNV-GL; CU-TR; LR; MSHA; DNV-GL(MED)

REMARKS



- Compressed air applications require cover pin-pricking and additional safety devices. High pressure compressed air applications must be carefully analysed to verify the suitability of the hose, contact Manuli Hydraulics Help Desk for technical guidelines.
- Equator hose is not suitable for high temperature water applications
- Equator hoses are not designed and not approved for "air brake" applications on railway and/or mobile equipment

EQUATOR/1 (BLUE)

EXTREME HIGH TEMPERATURE - BLACK VERSION



HOSES 58

TECHNICAL DATA																	
PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS	
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Std 1	Std 2
H01059006*	6	-4	1/4"	11.0	0.43	13.4	0.53	225	3,260	1,000	14,500	100	3.94	240	0.16	MF+M00120-04	OPF-04
H01059008*	8	-5	5/16"	12.6	0.50	15.0	0.59	215	3,110	900	13,050	114	4.49	285	0.19	MF+M00120-05	
H01059010*	10	-6	3/8"	15.0	0.59	17.3	0.68	180	2,610	800	11,600	127	5.00	340	0.23	MF+M00120-06	
H01059012*	12	-8	1/2"	18.1	0.71	20.5	0.81	160	2,320	680	9,860	178	7.01	435	0.29	MF+M00120-08	
H01059016*	16	-10	5/8"	21.3	0.84	23.5	0.93	130	1,880	600	8,700	200	7.87	510	0.34	MF+M00120-10	
H01059019*	19	-12	3/4"	25.2	0.99	27.7	1.09	105	1,520	500	7,250	240	9.45	640	0.43	MF+M00120-12	
H01059025*	25	-16	1"	33.1	1.30	35.8	1.41	88	1,270	360	5,220	300	11.81	980	0.66	MF+M00130-16	
H01059032*	31	-20	1.1/4"	40.6	1.60	43.5	1.71	65	940	345	5,000	420	16.54	1,300	0.87	MF+M00110-20	OPK-20
H01059038*	38	-24	1.1/2"	46.9	1.85	50.0	1.97	50	720	290	4,200	500	19.69	1,540	1.03	MF+M00110-24	OPK-24
H01059051*	51	-32	2"	60.4	2.38	63.1	2.48	40	580	250	3,620	630	24.80	2,100	1.41	MF+M00110-32	OPK-32
H01059063*	63	-40	2.1/2"	72.0	2.83	74.6	2.94	35	500	140	2,030	600	23.62	2,400	1.61	MF+M03400-40	

KEY FEATURES

- Wide range temperature resistance
- EN/DIN and new SAE pressure rating
- Outstanding ozone resistance
- Superior weather and UV resistance
- High aging resistance

APPLICATIONS & FLUIDS

- Hydraulics: low-medium pressure lines in extreme temperature conditions (foundries, compressors, hydraulics within engine compartments, etc.)
- Mineral oils, glycols and polyglycols, transmission fluids, air with oil vapours, mineral oils in aqueous emulsion (up to 212°F/100°C)

CONTINUOUS SERVICE TEMPERATURE RANGE

-55 °C, -67 °F

135 °C, 275 °F

MAX. OPERATING TEMPERATURE

150 °C, 300 °F

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

One high tensile steel braid

COVER

STANDARD - TYPE "XT"
Synthetic rubber with high ozone, weather and heat resistance

APPLICABLE SPECS

Exceeds EN 853 1SN; SAE 100 R1AT; ISO 1436 1SN/R1AT

TYPE APPROVALS

ABS; BV; DNV-GL(MED); DNV-GL; CU-TR; LR; MSHA

REMARKS



- Compressed air applications require cover pin-pricking and additional safety devices. High pressure compressed air applications must be carefully analysed to verify the suitability of the hose, contact Manuli Hydraulics Help Desk for technical guidelines.
- Equator hose is not suitable for high temperature water applications
- Equator hoses are not designed and not approved for "air brake" applications on railway and/or mobile equipment

EQUATOR/2 (BLACK)

EXTREME HIGH TEMPERATURE - BLACK VERSION



HOSES 59

TECHNICAL DATA																	
PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS	
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Std 1	Std 2
H01060006*	6	-4	1/4"	12.7	0.50	14.9	0.59	400	5,800	1,725	25,010	100	3.94	390	0.26	MF+M00910-04	OPF-04
H01060008*	8	-5	5/16"	14.3	0.56	16.5	0.65	350	5,070	1,480	21,460	114	4.49	435	0.29	MF+M00910-05	
H01060010*	10	-6	3/8"	16.7	0.66	19.0	0.75	330	4,780	1,400	20,300	127	5.00	530	0.36	MF+M00910-06	
H01060012*	12	-8	1/2"	19.8	0.78	22.0	0.87	275	3,980	1,200	17,400	178	7.01	640	0.43	MF+M00910-08	
H01060016*	16	-10	5/8"	23.0	0.91	25.2	0.99	250	3,620	1,020	14,790	200	7.87	760	0.51	MF+M00910-10	
H01060019*	19	-12	3/4"	27.0	1.06	29.0	1.14	215	3,110	900	13,050	240	9.45	940	0.63	MF+M00920-12	
H01060025*	25	-16	1"	34.8	1.37	37.0	1.46	175	2,530	700	10,150	300	11.81	1,350	0.91	MF+M00930-16	
H01060031*	31	-20	1.1/4"	44.3	1.74	47.0	1.85	150	2,170	600	8,700	420	16.54	2,010	1.35	MF+M00920-20	
H01060038*	38	-24	1.1/2"	50.7	2.00	53.4	2.10	100	1,450	410	5,940	500	19.69	2,250	1.51	MF+M00910-24	OPK-24
H01060051*	51	-32	2"	63.5	2.50	66.2	2.61	90	1,300	370	5,360	630	24.80	3,080	2.07	MF+M00910-32	OPK-32

KEY FEATURES

- Wide range temperature resistance
- EN/DIN and new SAE pressure rating
- Outstanding ozone resistance
- Superior weather and UV resistance
- High aging resistance

APPLICATIONS & FLUIDS

- Hydraulics: medium-high pressure lines in extreme temperature conditions (foundries, compressors, hydraulics within engine compartments, etc.)
- Mineral oils, glycols and polyglycols, transmission fluids, air with oil vapours, mineral oils in aqueous emulsion (up to 212°F/100°C)

CONTINUOUS SERVICE TEMPERATURE RANGE

-55 °C, -67 °F
135 °C, 275 °F

MAX. OPERATING TEMPERATURE

150 °C, 300 °F

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

Two high tensile steel braids

COVER

STANDARD - TYPE "XT"
Synthetic rubber with high ozone, weather and heat resistance

APPLICABLE SPECS

Exceeds EN 853 2SN; SAE 100 R2AT; ISO 1436 2SN/R2AT

TYPE APPROVALS

ABS; DNV-GL; CU-TR; LR; MSHA; DNV-GL(MED)

REMARKS



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EQUATOR/2 (BLUE)

EXTREME HIGH TEMPERATURE - BLUE VERSION



HOSES 60

TECHNICAL DATA																	
PART REF.	HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS	
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Std 1	Std 2
H01061006*	6	-4	1/4"	12.7	0.50	14.9	0.59	400	5,800	1,725	25,010	100	3.94	395	0.27	MF+M00910-04	OPF-04
H01061008*	8	-5	5/16"	14.3	0.56	16.5	0.65	350	5,070	1,480	21,460	114	4.49	435	0.29	MF+M00910-05	
H01061010*	10	-6	3/8"	16.7	0.66	19.0	0.75	330	4,780	1,400	20,300	127	5.00	530	0.36	MF+M00910-06	
H01061012*	12	-8	1/2"	19.8	0.78	22.0	0.87	275	3,980	1,200	17,400	178	7.01	640	0.43	MF+M00910-08	
H01061016*	16	-10	5/8"	23.0	0.91	25.2	0.99	250	3,620	1,020	14,790	200	7.87	760	0.51	MF+M00910-10	
H01061019*	19	-12	3/4"	27.0	1.06	29.0	1.14	215	3,110	900	13,050	240	9.45	940	0.63	MF+M00920-12	
H01061025*	25	-16	1"	34.8	1.37	37.0	1.46	175	2,530	700	10,150	300	11.81	1,350	0.91	MF+M00930-16	
H01061032*	31	-20	1.1/4"	44.3	1.74	47.0	1.85	150	2,170	600	8,700	420	16.54	2,010	1.35	MF+M00920-20	
H01061040*	38	-24	1.1/2"	50.7	2.00	53.4	2.10	100	1,450	410	5,940	500	19.69	2,250	1.51	MF+M00910-24	OPK-24
H01061051*	51	-32	2"	63.5	2.50	66.2	2.61	90	1,300	370	5,360	630	24.80	3,080	2.07	MF+M00910-32	OPK-32

KEY FEATURES

- Wide range temperature resistance
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TYPE APPROVALS

ABS; BV; DNV-GL(MED); DNV-GL; CU-TR; LR; MSHA; DIN 5510-2

REMARKS



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