

REV.  
B

AS5422

FEDERAL SUPPLY CLASS  
4720

RATIONALE

REACH DIMENSIONS C1 AND F1 WERE REVISED FROM "MIN" TO "MAX" BECAUSE THIS IS MAXIMUM LENGTH OF THE FITTING. A TOLERANCE WAS ADDED TO THE LEADWIRE LENGTH.

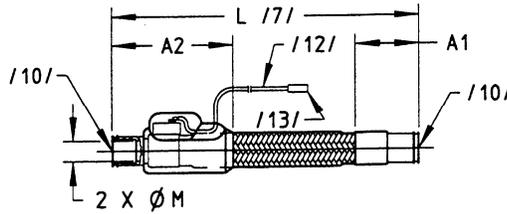


FIGURE 1 - STYLE A1

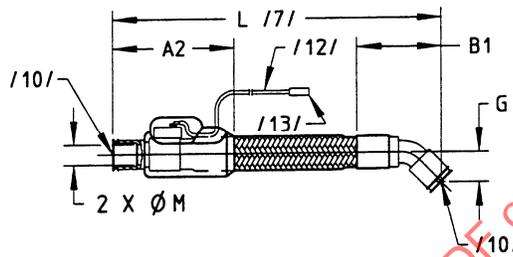


FIGURE 2 - STYLE B1

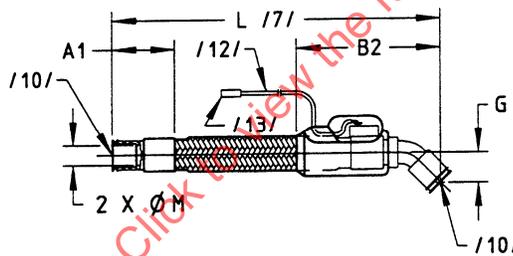


FIGURE 3 - STYLE B2

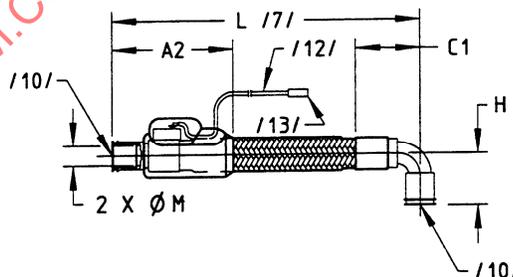
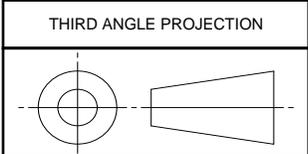


FIGURE 4 - STYLE C1

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CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS5420 /2/



AEROSPACE STANDARD

HOSE ASSEMBLY, LINED SILICONE, HEATED, FIXED CAVITY, 125 PSI, POTABLE WATER

AS5422  
SHEET 1 OF 8

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B

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ISSUED 2000-07 REAFFIRMED 2013-01 REVISED 2013-09

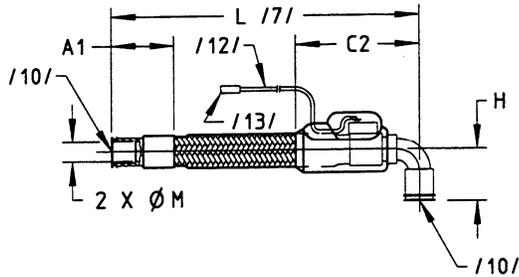


FIGURE 5 - STYLE C2

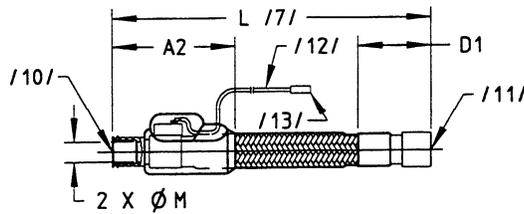


FIGURE 6 - STYLE D1

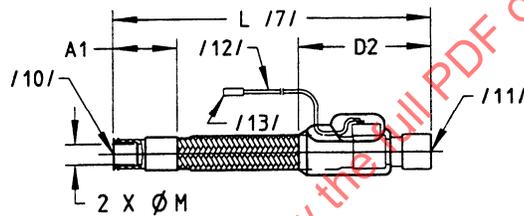


FIGURE 7 - STYLE D2

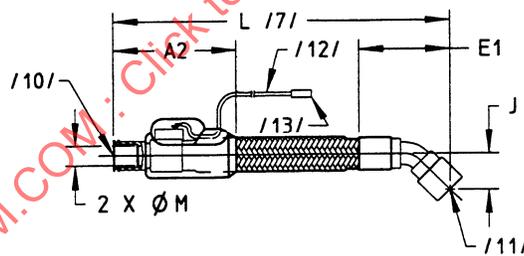


FIGURE 8 - STYLE E1

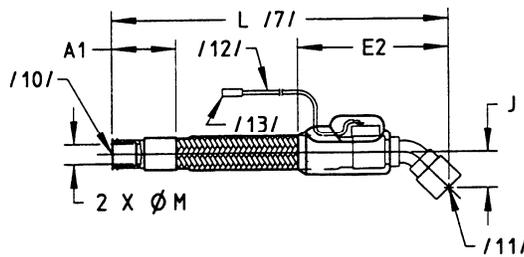


FIGURE 9 - STYLE E2

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	<b>AEROSPACE STANDARD</b>	<b>AS5422</b> SHEET 2 OF 8	<b>REV.</b> <b>B</b>
	HOSE ASSEMBLY, LINED SILICONE, HEATED, FIXED CAVITY, 125 PSI, POTABLE WATER		

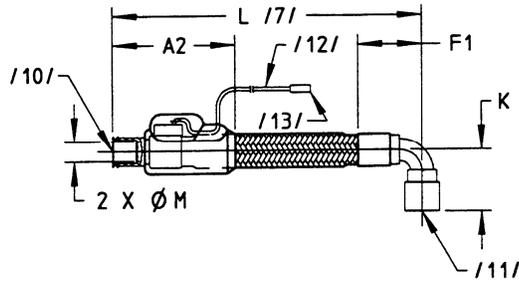


FIGURE 10 - STYLE F1

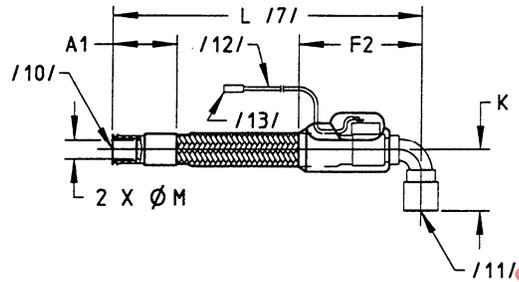


FIGURE 11 - STYLE F2

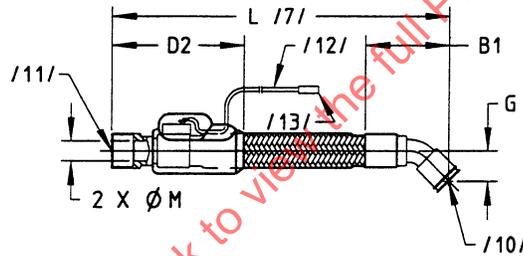


FIGURE 12 - STYLE G1

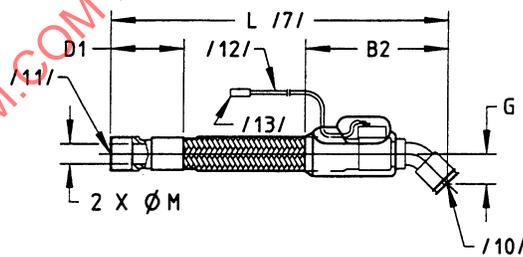


FIGURE 13 - STYLE G2

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**AEROSPACE STANDARD**

HOSE ASSEMBLY, LINED SILICONE,  
HEATED, FIXED CAVITY,  
125 PSI, POTABLE WATER

**AS5422**  
SHEET 3 OF 8

**REV.**  
**B**

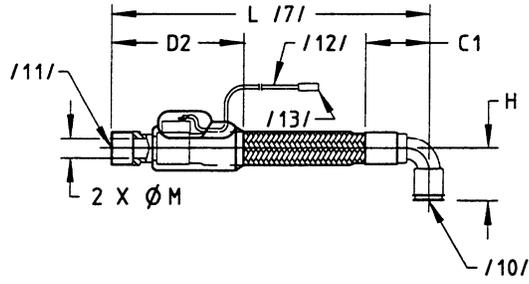


FIGURE 14 - STYLE H1

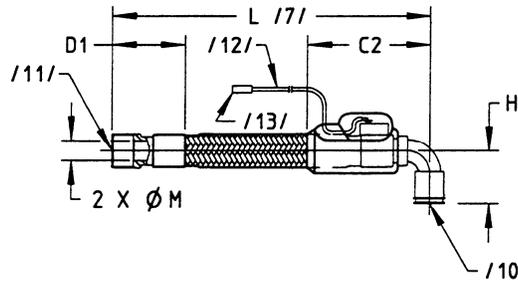


FIGURE 15 - STYLE H2

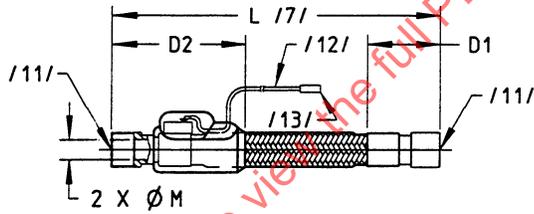


FIGURE 16 - STYLE J1

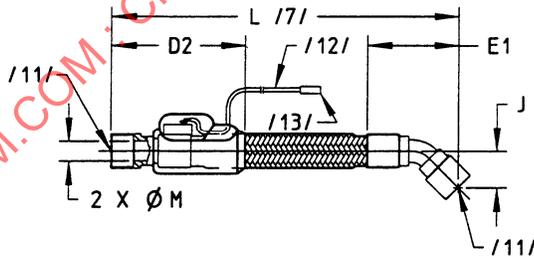


FIGURE 17 - STYLE K1

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**AEROSPACE STANDARD**

HOSE ASSEMBLY, LINED SILICONE,  
HEATED, FIXED CAVITY,  
125 PSI, POTABLE WATER

**AS5422**  
SHEET 4 OF 8

**REV.**  
**B**

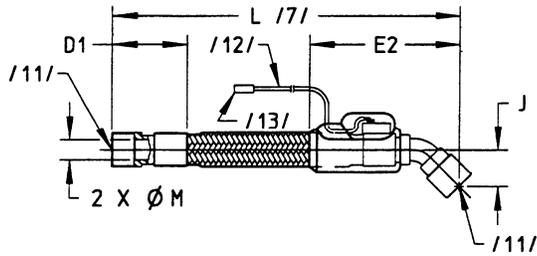


FIGURE 18 - STYLE K2

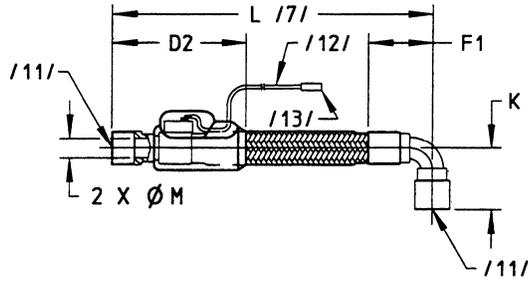


FIGURE 19 - STYLE L1

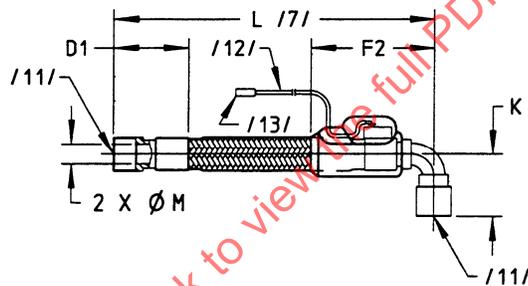


FIGURE 20 - STYLE L2

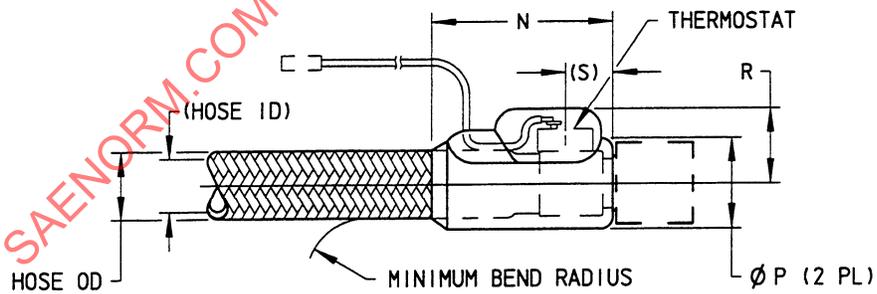


FIGURE 21 - HOSE AND THERMOSTAT DATA



**AEROSPACE STANDARD**

HOSE ASSEMBLY, LINED SILICONE,  
HEATED, FIXED CAVITY,  
125 PSI, POTABLE WATER

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**REV. B**

TABLE 1A - FITTING DIMENSIONS A1-E2

HOSE ASSY SIZE	LETTER SIZE CODE	A1 MAX	A2 MAX	B1 MAX	B2 MAX	C1 MAX	C2 MAX	D1 MAX	D2 MAX	E1 MAX	E2 MAX
-08	H	1.32	2.52	1.73	2.92	1.39	2.58	1.58	2.80	1.81	3.00
-10	J	1.32	2.52	1.85	3.04	1.57	2.76	1.58	2.80	1.93	3.12
-12	K	1.53	2.72	2.36	3.54	2.05	3.23	1.82	3.03	2.45	3.64
-16	M	1.58	2.76	2.48	3.66	2.17	3.35	1.90	3.11	2.60	3.78

TABLE 1B - FITTING DIMENSIONS F1-M

HOSE ASSY SIZE	LETTER SIZE CODE	F1 MAX	F2 MAX	G ±.030	H ±.030	J ±.030	K ±.030	ØM THRU REF
-08	H	1.39	2.58	.622	1.153	.702	1.266	.430
-10	J	1.57	2.76	.648	1.284	.728	1.397	.555
-12	K	2.05	3.23	.815	1.647	.910	1.782	.660
-16	M	2.17	3.35	.882	1.817	1.002	1.986	.915

TABLE 2A - FITTING DEDUCT LENGTHS AND NOMINAL WEIGHTS (REF) FIGURES 1-11 /8/

HOSE ASSY SIZE	FIGURE 1 DED LG	FIGURE 1 FTG WT	FIGURE 2 & 3 DED LG	FIGURE 2 & 3 FTG WT	FIGURE 4 & 5 DED LG	FIGURE 4 & 5 FTG WT	FIGURE 6 & 7 DED LG	FIGURE 6 & 7 FTG WT	FIGURE 8 & 9 DED LG	FIGURE 8 & 9 FTG WT	FIGURE 10 & 11 DED LG	FIGURE 10 & 11 FTG WT
-08	1.50	.195	1.91	.210	1.57	.215	1.76	.212	1.99	.223	1.57	.228
-10	1.50	.219	2.02	.244	1.75	.252	1.76	.239	2.10	.258	1.75	.266
-12	1.60	.306	2.43	.344	2.11	.357	1.89	.333	2.52	.362	2.11	.376
-16	1.70	.387	2.60	.438	2.29	.458	2.02	.415	2.71	.457	2.29	.477

TABLE 2B - FITTING DEDUCT LENGTHS AND NOMINAL WEIGHTS (REF) FIGURES 12-20 /8/

HOSE ASSY SIZE	FIGURE 12 & 13 DED LG	FIGURE 12 & 13 FTG WT	FIGURE 14 & 15 DED LG	FIGURE 14 & 15 FTG WT	FIGURE 16 DED LG	FIGURE 16 FTG WT	FIGURE 17 & 18 DED LG	FIGURE 17 & 18 FTG WT	FIGURE 19 & 20 DED LG	FIGURE 19 & 20 FTG WT
-08	2.20	.228	1.86	.233	2.05	.230	2.28	.241	1.86	.246
-10	2.31	.264	2.04	.272	2.05	.259	2.39	.278	2.04	.286
-12	2.75	.372	2.43	.385	2.21	.361	2.84	.390	2.43	.404
-16	2.95	.469	2.64	.489	2.37	.446	3.06	.488	2.64	.508

TABLE 3 - THERMOSTAT DIMENSIONS

HOSE ASSY SIZE	LETTER SIZE CODE	N MAX	ØP MAX	R MAX	S REF
-08	H	1.73	1.00	.89	.46
-10	J	1.73	1.15	.97	.46
-12	K	1.90	1.29	1.04	.46
-16	M	1.90	1.54	1.17	.46

TABLE 4 - HOSE DATA

HOSE ASSY SIZE	LETTER SIZE CODE	ID REF	OD MAX	NOM WT/IN REF	MIN BEND RAD
-08	H	.500	.790	.0115	1.50
-10	J	.625	.940	.0153	1.88
-12	K	.750	1.070	.0186	2.25
-16	M	1.000	1.320	.0245	3.00