



HOSE MASTER

1233 East 222nd Street • Cleveland, Ohio 44117
(800) 221-2319 • Fax: (216) 481-7557 • www.hosemaster.com
Cleveland • Houston • Atlanta • Reno

ISO 9001
Registered Quality System



ISO 10380 qualification on Hose Master hoses

March 2019

The following hose diameters and types have been tested in accordance with ISO 10380:2012 fatigue testing requirements. Products were tested at the listed MAWP and bend radius below.

The results, stated in the charts below, show the fatigue life qualification of each nominal diameter to ISO 10380:2012 Type 1-10, Type 2-10, or type 1-50 as defined in section 5.7.1 of the standard.

If you have any questions, please feel free to contact us.

Annuflex

- AF4750 configuration is a 321 stainless steel core with 1 layer of 304 stainless steel braid.
- AF4755 configuration is a 321 stainless steel core with 2 layers of 321 stainless steel braid.
- AF5750 configuration is a 316 stainless steel core with 1 layer of 304 stainless steel braid.

Diameter (in)	DN	Hose PN	MAWP (psi)	Tested bend radius (in)	ISO type 1 bend radius (in)	ISO type 2 bend radius (in)	ISO Qualified "Hose type"
0.25	6	AF4750	1800	3.7	5.1	6.5	1-10
0.50	12	AF4750	1186	7.5	7.7	9.8	1-10
0.75	20	AF4750	898	8.0	8.8	11.2	1-10
1.00	25	AF4750	718	9.0	10.2	12.8	1-50
1.25	32	AF4750	645	10.0	11.8	14.9	1-10
1.50	40	AF4750	531	11.0	13.4	16.9	1-50
2.00	50	AF4750	449	13.0	15.4	19.3	1-10
0.25	6	AF4755	2700	3.7	5.1	6.5	1-10
0.50	12	AF4755	1779	7.5	7.7	9.8	1-10
0.75	20	AF4755	1347	8.0	8.8	11.2	1-10
1.25	32	AF4755	668	10.0	11.8	14.9	1-10
0.25	6	AF5750	1800	3.7	5.1	6.5	1-10



HOSE MASTER

1233 East 222nd Street • Cleveland, Ohio 44117
 (800) 221-2319 • Fax: (216) 481-7557 • www.hosemaster.com
 Cleveland • Houston • Atlanta • Reno

ISO 9001
 Registered Quality System



Masterflex

- AF4550 configuration is a 321 stainless steel core with 1 layer of 304 stainless steel braid.
- AF5550 configuration is a 316 stainless steel core with 1 layer of 304 stainless steel braid.

Diameter (in)	DN	Hose PN	MAWP (psi)	Tested bend radius (in)	ISO type 1 bend radius (in)	ISO type 2 bend radius (in)	ISO Qualified "Hose type"
0.50	12	AF4550	1186	4.4	7.7	9.8	1-10
0.75	20	AF4550	898	6.4	8.8	11.2	1-10
1.00	25	AF4550	718	7.1	10.2	12.8	1-10
1.25	32	AF4550	645	7.9	11.8	14.9	1-10
2.00	50	AF4550	449	15.0	15.4	19.3	1-10
0.25	6	AF5550	1800	3.7	5.1	6.5	1-10
0.50	12	AF5550	1200	4.4	7.7	9.8	1-10
1.00	25	AF5550	718	7.1	10.2	12.8	1-10
1.25	32	AF5550	645	7.9	11.8	14.9	1-10
1.50	40	AF5550	531	13.0	13.4	16.9	1-10

PressureMax HP

- AF8577HP configuration is a 321 stainless steel core with 2 layers of 321 stainless steel braid.
- AF9570HP configuration is a 316 stainless steel core with 1 layers of 321 stainless steel braid.
- AF9577HP configuration is a 316 stainless steel core with 2 layers of 321 stainless steel braid.

Diameter (in)	DN	Hose PN	MAWP (psi)	Tested bend radius (in)	ISO type 1 bend radius (in)	ISO type 2 bend radius (in)	ISO Qualified "Hose type"
0.75	20	AF8577HP	3600	10.0	8.8	11.2	2-10
1.25	32	AF8577HP	900	12.5	11.8	14.9	1-50
1.50	40	AF8577HP	900	13.0	13.4	16.9	1-50
0.50	12	AF9570HP	2700	8	7.7	9.8	2-10
0.75	20	AF9570HP	2650	10	8.8	11.2	2-10
1.00	25	AF9570HP	2500	11	10.2	12.8	2-10
0.25	6	AF9577HP	6000	4.5	5.1	6.5	1-10
0.375	10	AF9577HP	5000	7.0	5.9	7.5	2-10
0.50	12	AF9577HP	4500	8.0	7.7	9.8	2-10
0.75	20	AF9577HP	3600	10.0	8.8	11.2	2-10
1.00	25	AF9577HP	3000	11.0	10.2	12.8	2-10
1.25	32	AF9577HP	2600	12.5	11.8	14.9	2-10
1.50	40	AF9577HP	2200	13.0	13.4	16.9	1-10
2.00	50	AF9577HP	1675	14.0	15.4	19.3	1-10