

**Teflon braided hoses - corrugated**

**HYPERLINE FX - continued**

**HYPERLINE FXSS  
in stainless steel  
braid:**



AF-FXSS



AF-FXSS-...AS

index (PTFE natural)	index (AS version)	nominal diameter [inch]	internal diameter [mm]	external diameter [mm]	working pressure * [bar]	testing pressure** [bar]	burst pressure [bar]	vacuum*** [bar]	bend radius [mm]	mass [kg/m]
AF-FXSS-06	AF-FXSS-06AS	1/4"	6,8	9,6	110	165	330	0,9	19	0,092
AF-FXSS-08	AF-FXSS-08AS	5/16"	7,9	10,6	105	157,5	315	0,9	19	0,126
AF-FXSS-10	AF-FXSS-10AS	3/8"	10,0	13,5	100	150	300	0,9	25	0,160
AF-FXSS-13	AF-FXSS-13AS	1/2"	13,6	17,5	75	112,5	225	0,9	38	0,225
AF-FXSS-16	AF-FXSS-16AS	5/8"	16,7	21,1	62	93	186	0,9	50	0,336
AF-FXSS-19	AF-FXSS-19AS	3/4"	19,8	24,2	52	78	156	0,9	63	0,383
AF-FXSS-25	AF-FXSS-25AS	1"	26,0	31,7	50	75	150	0,9	75	0,540

Notes: indices highlighted in colour - most commonly used. \* - safety factor 3:1, if a factor of 4:1 is required (e.g. according to EN 16643) multiply the values by 0.75; \*\* - test pressure 1.5 x working pressure; \*\*\* - up to 150°C;

**Temperature dependence of working pressure for HYPERLINE FX Teflon hose (SS version):**

At operating temperatures above +160°C, the maximum working pressure given in the table should be reduced by 1% for every 1°C above this temperature. For example, at a temperature of 180°C, the maximum working pressure for AF-FXSS-10 hose is: 100 bar - (180°C-160°C) x 1 = 100 bar - 20% = **80 bar**.

**HYPERLINE FXAM  
in aramid braid:**



AF-FXAM



AF-FXAM-...AS

index (PTFE natural)	index (AS version)	nominal diameter [inch]	internal diameter [mm]	external diameter [mm]	working pressure * [bar]	testing pressure** [bar]	burst pressure [bar]	vacuum*** [bar]	bend radius [mm]	mass [kg/m]
AF-FXAM-06	AF-FXAM-06AS	1/4"	6,8	9,7	77	115,5	231	0,9	38	0,056
AF-FXAM-08	AF-FXAM-08AS	5/16"	7,9	11,3	74	111	222	0,9	38	0,075
AF-FXAM-10	AF-FXAM-10AS	3/8"	10,0	13,7	70	105	210	0,9	50	0,100
AF-FXAM-13	AF-FXAM-13AS	1/2"	13,6	17,5	52	78	156	0,9	76	0,140
AF-FXAM-16	AF-FXAM-16AS	5/8"	16,7	21,2	44	66	132	0,9	100	0,204
AF-FXAM-19	AF-FXAM-19AS	3/4"	19,8	24,2	36	54	108	0,9	126	0,236
AF-FXAM-25	AF-FXAM-25AS	1"	26,0	31,8	35	52,5	105	0,9	150	0,354

Notes: indices highlighted in colour - most commonly used. \* - safety factor 3:1, if a factor of 4:1 is required (e.g. according to EN 16643) multiply the values by 0.75; \*\* - test pressure 1.5 x working pressure; \*\*\* - up to 150°C;

**Temperature dependence of working pressure for HYPERLINE FX Teflon hose (AM version):**

At operating temperatures above +130°C, the maximum working pressure given in the table should be reduced by 1% for every 1°C above this temperature. For example, at a temperature of 170°C, the maximum working pressure for AF-FXAM-10 hose is: 70 bar - (170°C-160°C) x 1 = 70 bar - 40% = **42 bar**.

**HYPERLINE FX hoses are assembled with standard hydraulic end fittings using sleeves crimped with standard straight jaws. See information on end fittings at the end of the chapter.**



HYPERLINE FX Teflon hoses in stainless steel braid (AF-FXSS-...) and in aramid braid (AF-FXAM-...) with hydraulic end fittings: 1 - DN25 (1") with TI-ZBZ130-16-SS end; 2 - DN19 (3/4") with TI -ZBW140-12-12-SS end; 3 - DN13 (1/2") with JIC hydraulic end; 4 - DN13 (1/2") with TI-ZBZ140-08-08-SS end; 5 - DN8 (5/16") with angle hydraulic end. For positions 1, 2 and 5: sleeves AF-THU-... with internal groove, for positions 3 and 4: sleeves AF- TH-... with external groove.