

FLOW VELOCITY RESTRICTIONS IN METAL HOSES

When flow velocity exceeds the values shown below, resonant vibration can occur in hoses and cause premature failure. When flow velocity exceeds these values, an increase in the hose inside diameter or an inside interlocked metal liner are advised.

INSTALLATION CONFIGURATION	MAXIMUM VELOCITY (FT/SEC)			
	GAS		LIQUID	
	UNBRAIDED	BRAIDED	UNBRAIDED	BRAIDED
STRAIGHT RUN	100	150	50	75
45° BEND	75	115	40	60
90° BEND	50	75	25	40
180° BEND	25	38	12	19