

Rigid Lances

Equip your *Lancing System* with dependable, high quality lances

Aquapower offers a limited selection of rigid lances, in the most popular sizes for users of *Lancing Systems*. These lances are type 304 stainless steel in the 1/8 hard condition, which we recommend for its stiffness and resistance to damage in use. Lances are an expendable item, making it advantageous for users to develop dependable local sources.

Lance Selection, Specify Length

Description	Part #	Rating, Kpsi	Thread Connection	OD, in.	ID, in.	Material
3/8 in. OD Tubing	SA 535-P2P2	15	1/8 npt	.375	.245	304 SS 1/8 Hard
9/16 in. MP Tubing	SA 567-P4P4	15	1/4 npt	.563	.312	304 SS 1/8 Hard
3/8 in MP Tubing	SA 537-M6M6R	20	3/8 MP LH/RH	.375	.203	304 SS 1/8 Hard
9/16 in. MP Tubing	SA 567-M9M9R	20	9/16 MP LH/RH	.563	.312	304 SS 1/8 Hard
3/8 in. HP Tubing	SA 539-H6H6R	40	3/8 HP LH/RH	.375	.125	304 SS 1/8 Hard
9/16 in. HP Tubing	SA 569-H9H9R	40	9/16 HP LH/RH	.563	.188	304 SS 1/8 Hard

npt - National Pipe Thread MP - Cone & Thread Connection HP - Cone & Thread Connection

Lance Pressure Drop, psi / 25 ft. Length

Lance	MAWP**	OD	ID	Cv	2	4	6	8	10	15	20
					gpm	gpm	gpm	gpm	gpm	gpm	
1/8" Sch 80 Pipe	15 Kpsi	.405	.215	0.23	77	310	700	1200	1900	4400	7700
3/8" OD Tubing	15 Kpsi	.375	.245	0.32	40	160	360	650	1000	2300	4000
1/4" Sch 80 Pipe	15 Kpsi	.540	.300	0.52	15	59	130	230	370	820	1500
9/16" Ø MP Tubing	15 Kpsi	.563	.312	0.58	12	48	110	190	300	680	1200
1/2" Sch 160 Pipe	15 Kpsi	.840	.464	1.56	2	7	15	26	41	93	170
1/4" Ø MP Tubing	20 Kpsi	.250	.109	0.04	2300	*	*	*	*	*	*
3/8" Ø MP Tubing	20 Kpsi	.375	.203	0.20	100	410	930	1700	2600	5800	*
9/16" Ø MP Tubing	20 Kpsi	.563	.312	0.58	12	48	110	190	300	680	1200
1/4" Ø MP Tubing	40 Kpsi	.250	.083	0.02	9000	*	*	*	*	*	*
3/8" Ø HP Tubing	40 Kpsi	.375	.125	0.06	1200	4700	*	*	*	*	*
9/16" Ø HP Tubing	40 Kpsi	.563	.188	0.16	150	610	1400	2400	3800	8500	*

** Pressure ratings depend on materials of construction. * Pressure drop 9000 psi or greater.

Ordering Notes

- Order the same length lance as the rail length of your Lancing System
- For MP and HP connections, anti- vibrate glands are recommended where the lance connects to the swivel.
- Consider pressure drop when selecting operating pressures, lances, and lance tips. Jet power deteriorates rapidly if lance pressure drop exceeds 1/3 of pump discharge pressure.