



14,500 psi Water Blast Solves Cleaning Problems



The system, known as high pressure liquid jetting, or water blasting, is gaining widespread use as a non-polluting, relatively safe method of solving industrial cleaning problems such as chemical and organic residues and buildups.

Eaton's new Aeroquip® FD69 series quick disconnect coupling and Aeroquip FC900-08 water blast hose are designed to withstand the high pressures encountered in water blasting applications.

Did You Know?

Under a pressure of 14,500 psi, a concentrated jet of water can literally cut a thick wood plank in half.

Features and Benefits



FC900-08 Water Blast Hose

- 2500,0 bar [36,250 psi] minimum burst pressure
- 4-Wire construction provides maximum flexibility
- Light in weight, easy operator handling
- Abrasion and weather resistant cover
- Internal skive crimped fitting
- 100% proof pressure tested assemblies

FD69 Quick Disconnect Coupling

- Maximum pressure of 1000,0 bar [14,500 psi]
- Minimum burst pressure of 2500,0 bar [36,250 psi]
- "Arc Latch" locking design provides contact surface over a broad area
- Push-Pull™ for easy connection and disconnection



Powering Business Worldwide



FD69 Quick Disconnect Coupling

Specifications

Constructed with a thick cadmium plated, heat treated steel to resist corrosion. The female half is available with 3/8 inch and 1/2 inch NPTF female pipe threads and will mate with either a 3/8 inch or 1/2 inch male half.

FD69 Series Quick Disconnect Coupling

Aeroquip FD69 series quick disconnect coupling is designed to specifically serve the water blasting industry. The FD69 coupling has a maximum operating pressure of 10,000 psi and a minimum burst pressure of 40,000 psi – the only 40,000 psi minimum burst quick disconnect coupling available to the water bursting industry.

The FD69 coupling features Aeroquip's "Arc Latch" locking design which provides contact surface over a broad area rather

than a conventional ball latch mechanism that provides only a contact point. This greater contact surface area gives the FD69 coupling more holding strength for long service life in high pressure applications.

The FD69 series' PUSH-PULL™ design permits easy connection and disconnection by simply retracting the sleeve. On a water blast machine, the coupling can be used to connect hose assemblies to each other, to the pump and to the cleaning lance. Employed for numerous cleaning applications, water blasting can remove slag steel from steel

mill drain lines; line scale from pipe interior in chemical paints; barnacles and old paint from a ship's hull; paint over-spray from automotive paint booths and many other industrial deposits.

The FD69 coupling features a smooth bore "straight-through" design without valves for full flow and minimal pressure drop during operation of water blasting equipment. The FD69's sleeve guard can prevent accidental disconnection and also shields the coupling from dirt and grime.

Complete Fitting Part #	Component Part Numbers		Thread	Hose Size	Overall Length		Through Hole			
	Nipple Assy. Part #	Socket Part#			mm	in	mm	in	mm	in
FC5258-0808S	FC2710-0808S	FC2540-08S	1/2-14	-08	84,8	3.34	39,1	1.54	9,1	.36



FC900 Water Blast Hose

Specifications

Construction: Seamless synthetic rubber tube, 4-heavy spiral wire reinforcement of four plies of heavy spiral wire and a synthetic rubber cover.

I.D. Size: Available in 1/2" I.D.

Temperature Range: -40F° to +120°F.

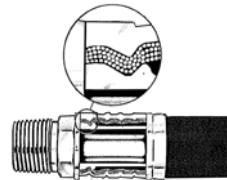
FC900-08 Series Water Blast Hose

New Aeroquip FC900-08 water blast hose is designed to withstand the high pressure encountered in water blasting applications. FC900 hose has a special reinforcement of four plies of heavy spiral wire designed for a minimum burst pressure of 36,250 psi. The unique construction provided the hose with strength and flexibility for long service life and handling ease.

FC900 water blast hose is lighter in weight, yet has the same bend radius and burst rating as conventional hose.

Internal Skive Crimped Fitting for FC900

The Aeroquip internal skive crimped fitting offers many significant advantages over conventional crimping fittings. Both the cover and the tube are removed prior to crimping which results in an all metal contact on the wire reinforcement between fitting and hose. This unique "wire trap" design improves the hose fitting's service life and reduces the possibility of premature failure.



Internal Skive Crimped Fitting

Aeroquip FC900-08 can be ordered as complete assemblies in two different ways.

FB8910-01 Complete FC900-08 water blast assembly with 1/2 x 14 N.P.T.F. threads on both ends. Overall length is 48 to 52 feet.

FA7537 HHH Complete FC900-08 water blast assembly with 1/2 x 14 N.P.T.F. threads on both ends. Overall length is exactly as ordered in inches.



FB8910-01



FA7537 HHH

Part #	Hose I.D.		Hose O.D.		Min. Burst Pressure		Min. Bend Radius		Per Foot Weight	
	mm	in.	mm	in.	bar	psi	mm	in.	kg/m	lbs/ft
FC900-08	12,7	.50	24,6	.97	2500,0	36250	203,2	8.00	0,70	0.47

Eaton
Hydraulics Group USA
14615 Lone Oak Road
Eden Prairie, MN 55344
USA
Tel: 952-937-9800
Fax: 952-294-7722
www.eaton.com/hydraulics

Eaton
Hydraulics Group Europe
Route de la Longeraie 7
1110 Morges
Switzerland
Tel: +41 (0) 21 811 4600
Fax: +41 (0) 21 811 4601

Eaton
Hydraulics Group Asia Pacific
11th Floor Hong Kong New World Tower
300 Huaihai Zhong Road
Shanghai 200021
China
Tel: 86-21-6387-9988
Fax: 86-21-6335-3912