

CHECK VALVES, QUICK DISCONNECT, QDV REPAIR KITS

FUEL SYSTEM COMPONENTS

CHECK VALVES (ONE-WAY OR NON-RETURN VALVES)



Part No.	Fitting Size	Flapper Style	clearcoat
253004ERL	-4	All metal, Conventional Hinge	
253006ERL	-6		
253008ERL	-8		
253010ERL	-10		
253012ERL	-12		

NOTE: Check Valve features & specifications pg. 121



Part No.	Fitting Size	Flapper Size
253016ERL	-16	All metal, Conventional hinge

NOTE: Aircraft valve - limited to stock on hand

QUICK DISCONNECT FITTINGS

Earl's Quick Disconnect fittings allow instant disconnect and reconnect of fuel, lubricant, air and hydraulic lines with virtually no spillage. Flow restriction is minimal. Buna seals are compatible with most fuels and lubricants. Use viton seals for higher temperature and more severe applications.



ALUMINUM W/ BUNA SEALS	ALUMINUM W/ VITON SEALS	MALE FITTING SIZE	PRESSURE RATING	
			PSI	BAR
240103ERL	240303ERL	-3	2250	155.09
240104ERL	240304ERL	-4	2250	155.09
240106ERL	240306ERL	-6	2250	155.09
240108ERL	240308ERL	-8	1750	120.65
240110ERL	240310ERL	-10	1750	120.65
240112ERL	240312ERL	-12	1750	120.65
240116ERL	240316ERL	-16	1750	120.65

QDV REPAIR KITS



BUNA®



VITON®

BUNA REPAIR KIT	VITON REPAIR KIT
241103ERL	242103ERL
241104ERL	242104ERL
241106ERL	242106ERL
241108ERL	242108ERL
241110ERL	242110ERL
241112ERL	242112ERL
241116ERL	242116ERL



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From: John Luyster, Earl's Engineering

Re: QDV Flow Rate and ΔP

Date: December 14, 2006

Flow figure on QDV's are dependent on acceptable pressure drop. For example, the #6 has a pressure drop of 10psi at 4gpm. The #8 has a pressure drop of 10psi at 11gpm. Both ratings are with the use of a light oil similar to ATF.

Whether the #16 is suitable for your project is contingent on whether the pressure drop at your flow rate is acceptable and whether your operating pressures are within the pressure rating of the couplings. Working pressure for the #16 (3/4-in) is 1750psig. Proof pressure equals 1.5 times the working pressure; burst pressure equals 2 times the working pressure.

QDV size	Working Pressure PSIG	Proof Pressure PSIG	Burst Pressure PSIG
-6	2250	3375	4500
-8	1750	2625	3500
-10	1750	2625	3500
-12	1500	2250	3000
-16	1500	2250	3000

