



Quick Disconnect Couplings Core Products Guide



ENGINEERING YOUR SUCCESS.

	MANUAL CONNECT POPPET VALVE		PUSH-TO-CONNECT
	60 SERIES 	H SERIES 	FEM SERIES 
Specification	ISO 7241, Series B	Proprietary	ISO 16028
Connection	Manual	Manual	Push-to-connect
Valve Style	Poppet	Poppet	Flat face
Size Range (inches)	1/8 – 2-1/2	1/4 – 4	1/4 – 1
Pressure Range	1000–5000 PSI	150–6500 PSI	2900–5000 PSI
Features	Cost effective, common	Modular design	Non-spill valving
Competitive Crossover	Dixon H Series Eaton/Hansen/Danfoss HK Series Foster FHK Series	N/A	Stucchi A Premier Series (FIRG Series), Faster FFH Series Eaton/Hansen/Danfoss FF Series, Dixon HT Series

GLOSSARY

Manual Connection: Requires the operator to pull back the sleeve on the female coupler to connect.

Push-to-connect: Operator pushes one half into the other.

Thread-to-connect: Operator threads the male and female half together which provides mechanical advantage.

Poppet Valve: Valving that protrudes beyond coupling body. Usually results in some fluid loss on disconnection

Flat Face Valve: Valving is flush with the body, thus, reduces fluid loss on disconnection. Typically will leave a small film of fluid on valving.

FLAT FACE VALVE	THREAD-TO-CONNECT	
FF SERIES 	3000 SERIES 	FET SERIES 
Proprietary	ISO 14540	Informal, industry interchange
Push-to-connect	Thread-to-connect	Thread-to-connect
Flat face	Poppet	Flat face
1/4 – 1	1/4 – 3/8	3/8 – 2
3000–5000 PSI	10,000 PSI	5000–6000 PSI
Non-spill, small profile	Very high pressure	Visual Connection Indicator
N/A	Stucchi IVHP Series Dixon T Series Faster PVVM Series Safeway S30 Series	Stucchi VEP Series, Dixon VEP Series, Eaton/Hansen/Danfoss FD96 Series, Dixon HT Series

Coupling Size: Sizing is not a “true” measurement of the body or valve opening. It is based on a flow calculation to correlate to hose sizing.

ISO Interchanges: When a coupling is considered ISO, it meets one OR both of the following:

1. Performance e.g. pressure, flow
2. Dimensional – The standards are typically set by the male, nipple dimensions so any product that is certified will be able to connect.



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