

L7000 Series Full Flow (Stainless Steel)



The Eaton L7000 Series stainless steel quick disconnect coupling is a full-flow coupling suited for applications where maximum flow capacity is required and valving is not needed. Mainly used in fluid transfer applications and offers excellent corrosion resistance.

Product Features

- Proprietary profile
- Full flow pull-to-connect couplings
- Ball-locking
- Excellent flow performance
- Standard Body Material:
AISI 316L Stainless steel
- Optional dust caps and plugs (made of anodized aluminium)
- Standard seal material: FKM, EPDM

European Pressure Equipment Directive*

Couplings with nominal diameters up to and including 25 mm are designed and manufactured under Article 3.3 of the European Pressure Equipment Directive 97/23 EC. Couplings with nominal diameters greater than 25 mm are designed and manufactured in accordance with the stipulations of Module D1 of the European Pressure Equipment Directive 97/23 EC. They should not be used to convey unstable gases.

Applications & Markets



- Pressure washing
- Steam-cleaning equipment
- Fluid transfer lines
- Refrigerant circuits
- Applications where maximum flow capacity is required



Physical Characteristics

Body Size (in)	Nominal Flow Diameter (mm)	Max. Operating Pressure (connected)	
		bar	(psi)
1/8	8	300	4350
1/4	10	230	3335
3/8	12	175	3535
1/2	15	150	2175
3/4	20	125	1810
1	25	100	1450
1 1/4	33	100	1450
1 1/2	40	75	1085
2	50	40	580

Flow data

The nominal flow diameter of the coupling has no impact on pressure drop, as it is wider than the circuit diameter.

Seal Elastomer Data*

Seal Elastomer	Max. Operation Temperature Range
FKM (Fluorocarbon)	-20°C +200°C/-4°F +392°F
EPDM (Ethylene-Propylene)**	-40°C +150°C/-40°F +302°F

* For reference only, based on Eaton recommended temperatures.

** In accordance with NF L 17-241 or NAS 1613 rev. 5, depending on size.

Contact Eaton technical support for further information on fluid compatibility.

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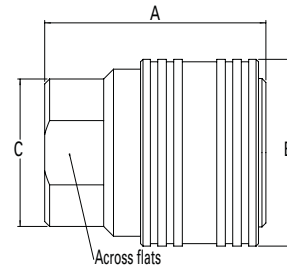


Fig. 1

Sockets (Female)

Part Number	FKM	EPDM	Body Size (in)	Nominal Flow Diameter (mm)	Thread Size* (Female)	Fig.	Dimensions							Weight	
							A (in)	B (in)	C (in)	Across flats (in)	A (mm)	B (mm)	C (mm)	Across flats (mm)	lbs
LZ07001V0	LZ07001E0	1/8	8	1/8-28	1	1.63	0.94	0.83	0.63	41.5	24	21	16	0.19	86
LZ07011V0	LZ07011E0	1/4	10	1/4-19	1	1.42	1.10	0.83	0.75	36	28	21	19	0.19	87
LZ07021V0	LZ07021E0	3/8	12	3/8-19	1	1.50	1.34	1.02	0.90	38	34	26	23	0.28	129
LZ07031V0	LZ07031E0	1/2	15	1/2-14	1	1.77	1.50	1.18	1.06	45	38	30	27	0.39	177
LZ07041V0	LZ07041E0	3/4	20	3/4-14	1	2.20	1.89	1.50	1.38	56	48	38	35	0.78	355
LZ07051V0	LZ07051E0	1	25	1-11	1	2.40	2.05	1.77	1.61	61	52	45	41	0.97	440
LZ07061V0	LZ07061E0	1 1/4	33	1 1/4-11	1	2.64	2.95	2.36	2.16	67	75	60	55	2.15	975
LZ07071V0	LZ07071E0	1 1/2	40	1 1/2-11	1	3.38	3.35	2.83	2.56	86	85	72	65	3.85	1745
LZ07091V0	LZ07091E0	2	50	2-11	1	3.46	3.82	3.27	2.95	88	97	83	75	4.11	1865

* Alternative end connections available upon request.

To obtain connected length of coupling add dimensions A (Fig. 1) and G (Fig. 2) together

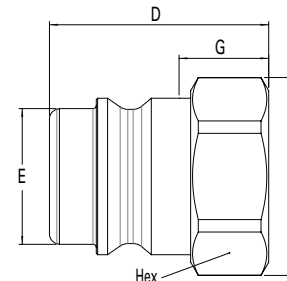


Fig. 2

Plugs (Male)

Part Number	FKM	EPDM	Body Size (in)	Nominal Flow Diameter (mm)	Thread Size* (Female)	Fig.	Dimensions							Weight			
							D (in)	E (in)	F (in)	G (in)	Hex (in)	D (mm)	E (mm)	F (mm)	G (mm)	Hex (mm)	lbs
LZ07002V0	LZ07002E0	1/8	8	1/8-28	2	1.02	0.43	0.72	0.41	0.63	26	11.0	18.4	10.5	16	0.04	19
LZ07012V0	LZ07012E0	1/4	10	1/4-19	2	1.00	0.56	0.82	0.41	0.75	25.5	14.2	21	10.5	19	0.06	26
LZ07022V0	LZ07022E0	3/8	12	3/8-19	2	1.10	0.75	1.02	0.42	0.90	28	19.0	26	10.7	23	0.10	45
LZ07032V0	LZ07032E0	1/2	15	1/2-14	2	1.30	0.81	1.18	0.51	1.06	33	20.6	30	13	27	0.12	54
LZ07042V0	LZ07042E0	3/4	20	3/4-14	2	1.57	1.10	1.50	0.55	1.38	40	27.9	38	14	35	0.26	117
LZ07052V0	LZ07052E0	1	25	1-11	2	1.73	1.27	1.77	0.73	1.61	44	32.4	45	18.5	41	0.34	155
LZ07062V0	LZ07062E0	1 1/4	33	1 1/4-11	2	2.12	1.73	2.36	0.83	2.16	54	44.0	60	21	55	0.94	424
LZ07072V0	LZ07072E0	1 1/2	40	1 1/2-11	2	2.32	2.10	2.83	0.87	2.56	59	53.5	71.9	22	65	1.45	656
LZ07092V0	LZ07092E0	2	50	2-11	2	2.68	2.47	3.27	1.06	2.95	68	62.8	83	27	75	1.85	839

* Alternative end connections available upon request.

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Dust Plugs and Dust Caps

Body Size (in)	Socket Dust Plug Part Number	Plug Dust Cap Part Number
1/8	HD0510100	HD0510200
1/4	HD0511100	HD0511200
3/8	HD0512100	HD0512200
1/2	HD0513100	HD0513200
3/4	HD0514100	HD0514200
1	HD0515100	HD0515200
1 1/4	HD0516100	HD0516200
1 1/2	HD0517100	HD0517200
2	HD0519100	HD0519200



Eaton Quick Disconnect Couplings代理商

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