



A-HP SERIES

The **A-HP Flat Face High Pressure Series Coupler** offers a simple yet highly effective, patented safety system to prevent accidental disconnection, making it the solution for high pressure leak-free applications. This patented sleeve system automatically rotates the sleeve when connected, engaging the safety lock mechanism. To disconnect: the coupler sleeve must be turned and aligned between the release notch and locking pin.

Category: [High-Pressure-10000-PSI](#) Tags: [Industry: Industrial](#), [Industry: Mobile](#), [Industry: Oil & Gas](#)

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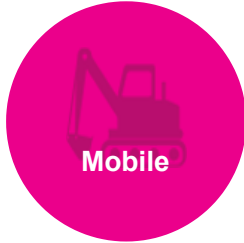
DESCRIPTION

FEATURES

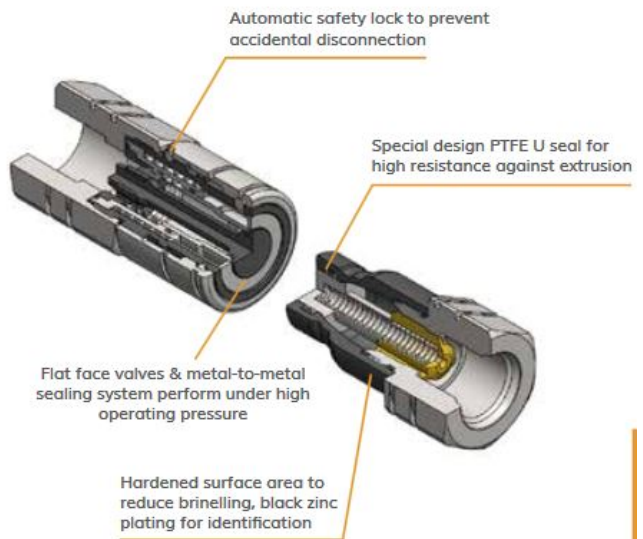
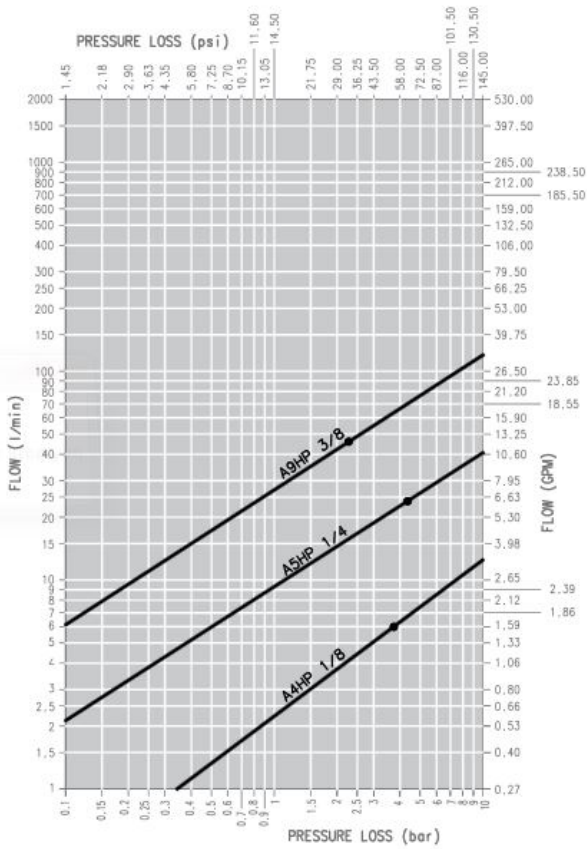
- Size range: 1/8" thru 3/8"
- Port options: NPT, BSP
- Working pressure: 700-720 bar/10,000 psi
- Locking sleeve eliminates accidental disconnection
- Flat face design limits leakage and contamination of hydraulic circuit

APPLICATIONS

- High pressure, leak-free requirements
- Mobile construction
- Emergency cutting tools, hydraulic wrenches, tools
- Industrial machinery



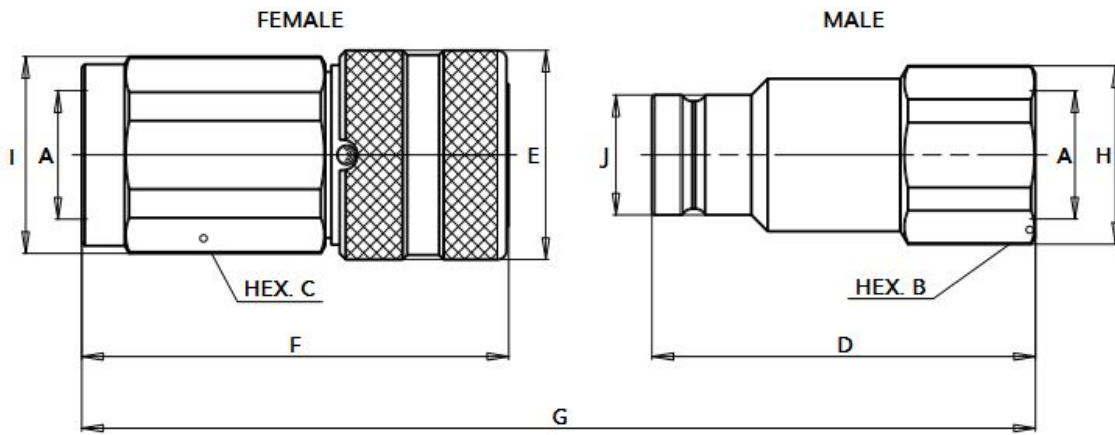
Pressure Drop



Performance

A4HP	1/8	72	10440	160	23200	160	23200	160	23200
A5HP	1/4	72	10440	200	29000	200	29000	150	21750
A9HP	3/8	72	10440	180	26100	200	29000	125	18125

Size Diagram



DESC.	BODY SIZE	A	UNIT	B	C	D	E	F	G	H	I	J
A4HP	1/8	1/8	mm	17.0	17.0	36.2	22.0	44.0	72.3	18.5	21.8	12.5
			inch	0.67	0.67	1.43	0.87	1.73	2.85	0.73	0.86	0.49
A5HP	1/4	1/4	mm	22.0	22.0	47.9	29.0	58.0	94.9	23.8	29.0	16.0
			inch	0.87	0.87	1.89	1.14	2.28	3.74	0.94	1.14	0.63
A5HP	1/4	3/8	mm	24.0	24.0	54.9	29.0	60.0	103.9	26.0	29.0	16.0
			inch	0.94	0.94	2.16	1.14	2.36	4.09	1.02	1.14	0.63
A9HP	3/8	3/8	mm	27.0	30.0	60.0	34.0	64.6	108.8	29.0	32.0	16.0
			inch	1.06	1.18	2.36	1.34	2.54	4.28	1.14	1.26	0.63
A9HP	3/8	1/2	mm	27.0	30.0	62.5	34.0	69.6	116.3	29.0	32.0	16.0
			inch	1.06	1.18	2.46	1.34	2.74	4.58	1.14	1.26	0.63

A-HP NPT Thread

PART	BODYSIZE	PORTSIZE	THREADTYPE	ORDER CODE	DESCRIPTION
COUPLER	1/8	1/8	FEMALE NPT	801601014	F. A4 HP 1/8 NPT
NIPPLE	1/8	1/8	FEMALE NPT	801601015	M. A4 HP 1/8 NPT
COUPLER	1/4	1/4	FEMALE NPT	801601004	F. A5 HP 1/4 NPT
NIPPLE	1/4	1/4	FEMALE NPT	801601005	M. A5 HP 1/4 NPT
COUPLER	1/4	3/8	FEMALE NPT	801601008	F. A5 HP 3/8 NPT
NIPPLE	1/4	3/8	FEMALE NPT	801601009	M. A5 HP 3/8 NPT
COUPLER	3/8	3/8	FEMALE NPT	801601010	F. A9 HP 3/8 NPT
NIPPLE	3/8	3/8	FEMALE NPT	801601011	M. A9 HP 3/8 NPT
COUPLER	3/8	1/2	FEMALE NPT	801601012	F. A9 HP 1/2 NPT
NIPPLE	3/8	1/2	FEMALE NPT	801601013	M. A9 HP 1/2 NPT
COUPLER	1/4	1/8	MALE NPT	801601016	F. A5HP 1/8 NPT EXT
COUPLER	1/4	1/4	MALE NPT	801601018	F. A5HP 1/4 NPT EXT
NIPPLE	1/4	1/4	MALE NPT	801601019	M. A5HP 1/4 NPT EXT

ADDITIONAL INFORMATION

Body Size	<u>1/8", 1/4", 3/8"</u>
Material	<u>Carbon</u>

Port Options	<u>BSP, NPT</u>
Port Size	<u>1/8", 1/4", 3/8"</u>
Valve Style	<u>Flat Face</u>
Working Pressure	<u>10,000</u>

Related products

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SH SERIES

The SH Series H-IH Interchange Coupling features a simple-to-use, compact design constructed in carbon steel with zinc plating. The poppet valve with elastomer seal provides maximum sealing of the couplings when disconnected, to meet a variety of general purpose needs across various applications.

[Read more](#)

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WING STYLE SERIES

The Wing Style Series Rugged Wing Nut provides reliable service wherever a coupling is required to connect under pressure with minimum spillage and air inclusion.

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DP PLATE SERIES

The DP Series of Multi-Coupling Plates allows the simultaneous couple and uncouple of two to four hydraulic and/or electrical lines with a single, simple movement requiring very little force. The circuit lines can all have the same coupler nominal diameter and different media. A dust cap is supplied, and options include: an electrical connector for low voltage requirements and a parking station.

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VOFX SERIES

The VOFX Series Threaded Poppet Couplers provide high resistance to pressure impulses and are manufactured with corrosion-resistant 316 stainless steel, in a compact design. Like the VOF, the internal parts of the VOFX are designed to reduce turbulence and pressure drop, and its poppet valve with elastomer seal provides maximum sealing of the couplings when disconnected. A wrench flat on the bodies facilitates the fitting assembly.

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