

# A-HP SERIES

HIGH PRESSURE 10,000 PSI Flat Face Coupler with Auto Lock Sleeve

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.



## 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

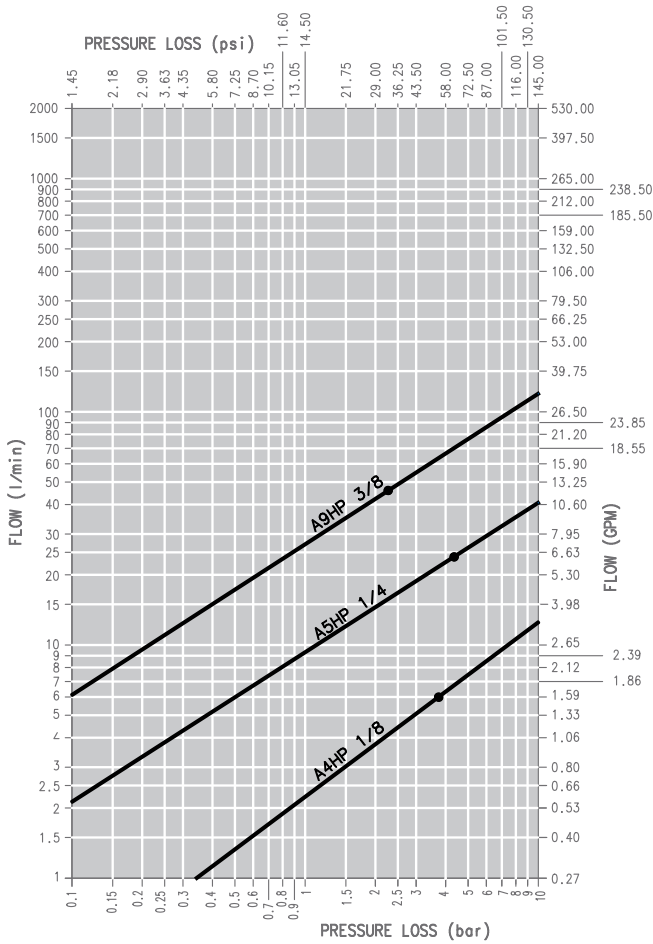
## APPLICATIONS

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

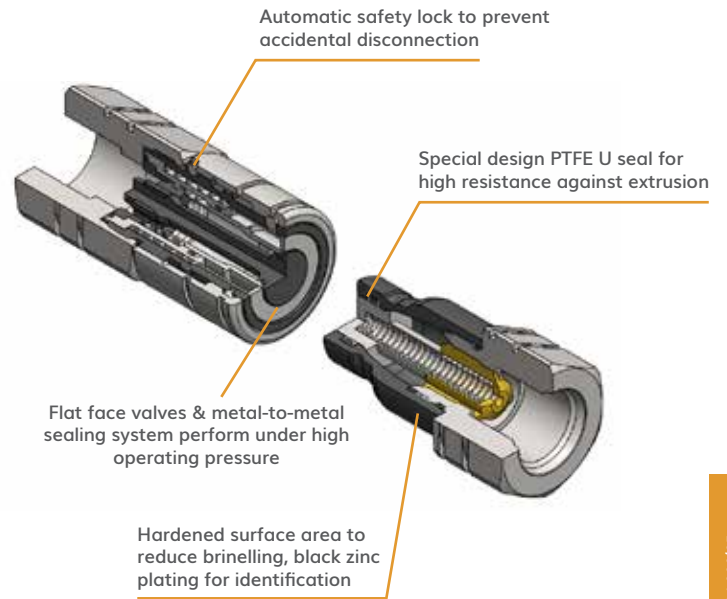




## PRESSURE DROP



OIL = ISO VG32, TEMP = 40C, VISCOSITY = 28.8-35.2 MM<sup>2</sup>/S



HIGH PRESSURE  
10,000 PSI

## PERFORMANCE

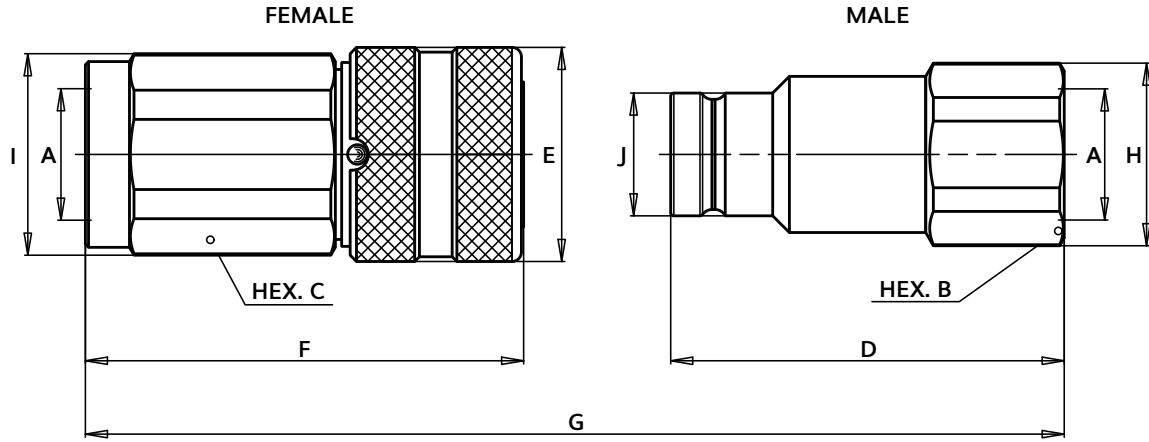
DESCRIPTION	SIZE	MAX. OPERATING PRESSURE COUPLED		COUPLED		BURST PRESSURE MALE		BURST PRESSURE FEMALE		SPILLAGE*
		MPa	psi	MPa	psi	MPa	psi	MPa	psi	
A4HP	1/8	72	10440	160	23200	160	23200	160	23200	0.040
A5HP	1/4	72	10440	200	29000	200	29000	150	21750	0.020
A9HP	3/8	72	10440	180	26100	200	29000	125	18125	0.020

\* Spillage is an indicative value of the fluid loss per couple-uncouple cycle.

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## SIZE DIAGRAM



DESCRIPTION	BODY SIZE	A	UNIT	B	C	D	E	F	G	H	I	J	UNIT	WEIGHT	
														MALE	FEMALE
A4HP	1/8	1/8	mm	17.0	17.0	36.2	22.0	44.0	72.3	18.5	21.8	12.0	kg	0.041	0.090
			inch	0.67	0.67	1.43	0.87	1.73	2.85	0.73	0.86	0.47	lb	0.09	0.20
A5HP	1/4	1/4	mm	22.0	22.0	47.9	29.0	58.0	94.9	23.8	29.0	16.5	kg	0.090	0.205
			inch	0.87	0.87	1.89	1.14	2.28	3.74	0.94	1.14	0.65	lb	0.20	0.45
A5HP	1/4	3/8	mm	24.0	24.0	54.9	29.0	60.0	103.9	26.0	29.0	16.5	kg	0.107	0.209
			inch	0.94	0.94	2.16	1.14	2.36	4.09	1.02	1.14	0.65	lb	0.24	0.46
A9HP	3/8	3/8	mm	27.0	30.0	60.0	34.0	64.6	108.8	29.0	32.0	19.5	kg	0.153	0.322
			inch	1.06	1.18	2.36	1.34	2.54	4.28	1.14	1.26	0.77	lb	0.34	0.71
A9HP	3/8	1/2	mm	27.0	30.0	62.5	34.0	69.6	116.3	29.0	32.0	19.5	kg	0.144	0.308
			inch	1.06	1.18	2.46	1.34	2.74	4.58	1.14	1.26	0.77	lb	0.32	0.68



## A-HP NPT Thread

PART	BODY SIZE	PORT SIZE	THREAD TYPE	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



Coupler



Nipple

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10,000 PSI