

FLAT FACE COUPLINGS

APM Series

Male Couplings

'FOR CONNECTION UNDER
STATIC PRESSURE CONDITIONS'

INTRODUCTION

Holmbury APM Series Male Couplings will connect, by hand, with pressures up to 350 bar locked in the male half, without releasing any fluid to the environment. The hose line to the female will need to be at zero pressure.

CONNECTION

Conforms to ISO 16028 connection sizes. They will connect with Holmbury H and HQ Series, Premier FIRG and Premier Plus A Series couplings.

Examples:

APM 9 connects with H10 & HQ10 couplings.
APM 13 connects with H12 & HQ12 couplings.
APM 15 connects with Premier Plus A15 couplings.
APM 17 connects with H19 & HQ19 couplings.

ISO 16028

APM Series Male Couplings are dimensionally compliant with ISO 16028 and will therefore connect with female couplings that also comply dimensionally with this standard. Please note APM Male couplings do not comply with the 1,000,000 impulse cycle requirement as introduced by the 2006 amendment to the standard.

APPLICATIONS

Mobile plant and attachments where exposure to the sun causes pressure to develop due to thermal expansion of trapped fluid. Any plant, mobile or industrial, where static pressure can get locked into the system.

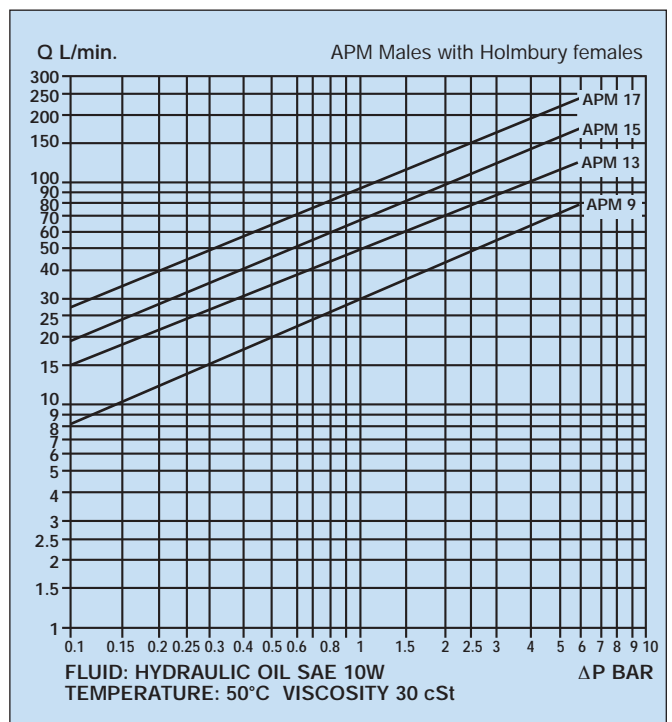
ADVANTAGES

- ★ Connects under high pressure, by hand.
- ★ Flat faces can easily be wiped clean before connection to prevent the ingress of contaminants into the circuit.
- ★ No air intrusion during connection.
- ★ Clean disconnection - non-spill design.
- ★ Locking sleeve helps prevent accidental disconnection.
- ★ Coupling can rotate whilst connected.
- ★ Bi-directional flow

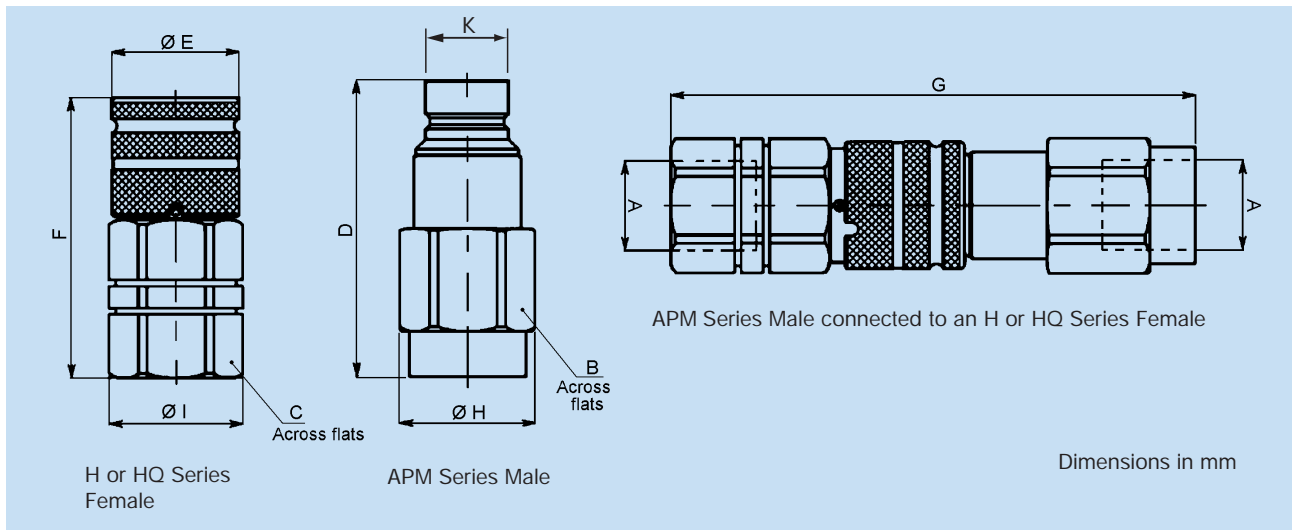
Award Winning Couplings



PRESSURE DROP CHARACTERISTICS



APM SERIES MALE COUPLINGS



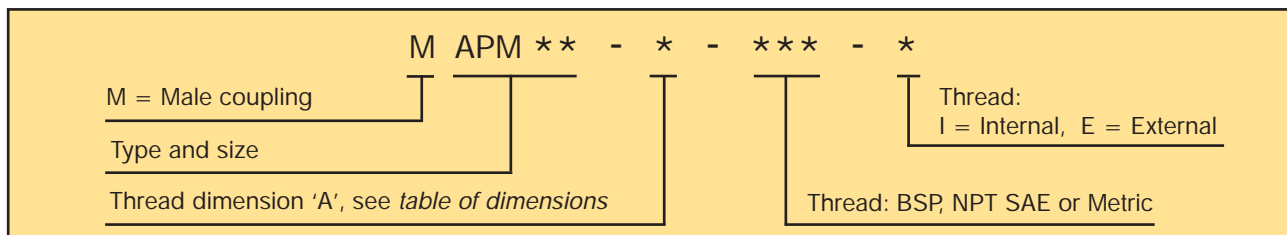
DIMENSIONS

Type and size	Nominal diameter of hose	A	B	C	D	E	F	G	H	I	K	Weight APM Male & HQ Series Female
APM 9	9	3/8"	27	30	80	32	69	139.5	29	32	19.8	0.42 kg
APM 9	9	1/2"	27	30	82.5	32	75	143.5	29	32	19.8	0.44 kg
APM 13	13	1/2"	36	36	91	38	83.5	164	38.5	40	24.5	0.84 kg
APM 13	13	3/4"	36	36	93.5	38	83.5	161	38.5	40	24.5	0.87 kg
APM13	13	7/8"	36	36	91	38	76.5	157	38.5	40	24.5	0.84 kg
APM15	16	3/4"	36	41	95	42	83.5	162	38.5	45	27	1.06 kg
APM 17	19	1"	46	46	109	47	98.5	185	50	50	30	1.69 kg

PRESSURE RATINGS

Type and size	Maximum working pressure coupled to HQ Series female	Maximum working pressure coupled to H Series female	Burst pressure coupled to HQ Series female	Burst pressure coupled to H Series female	Burst pressure APM Male
APM 9	375	315	1100	1000	1100
APM 13	350	315	1100	1000	1100
APM 15	TBA	TBA	TBA	TBA	1100
APM 17	350	315	1100	850	1100

ORDER CODES



SPECIFICATION

- ★ Operating temperature range: -20°C to +100°C.
- ★ Fluid loss during disconnection: 0 to 0.02ml.
- ★ Maximum pressure for connection by hand: 350 bar in male, zero pressure in female.

MATERIALS

Yellow and black zinc plated steel, PTFE and nitrile seals.

OPERATION

To connect: wipe the mating surfaces clean, align the couplings and push together. Twist the outer sleeve on the female and the coupling is locked.

To disconnect: ensure the hose line is at zero pressure, twist the sleeve to align its notch with the locking ball. Pull back the sleeve and the coupling springs apart.