

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.

Examples:

APM 9 connects with an FA9 Premier Plus female.
APM 17 connects with a F FIRG Premier Range.

FEMALE COUPLINGS

APM Series Male Couplings are designed for connection to Holmbury Premier Plus A Series and Premier FIRG Series female couplings.
CAUTION: do not assume that APM Series Male Couplings will connect satisfactorily with female couplings from other manufacturers.

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.

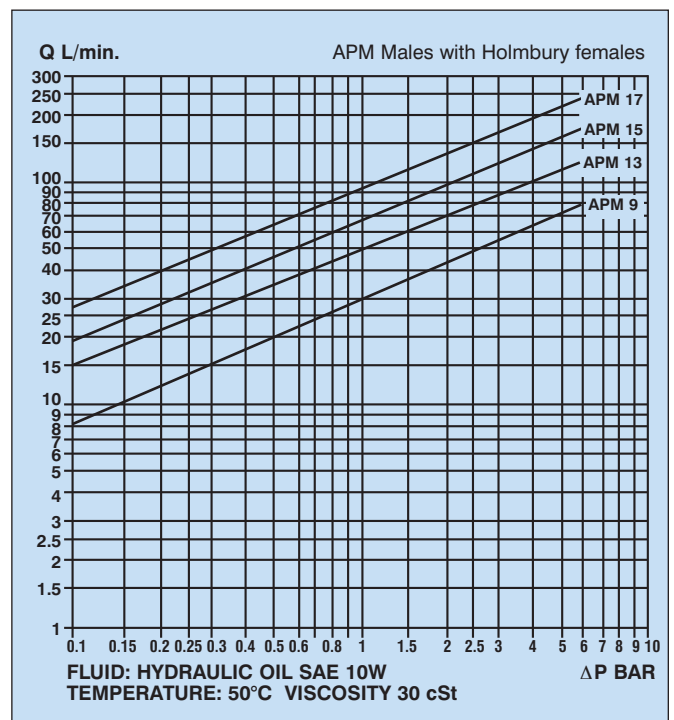
ADVANTAGES

- ★ 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

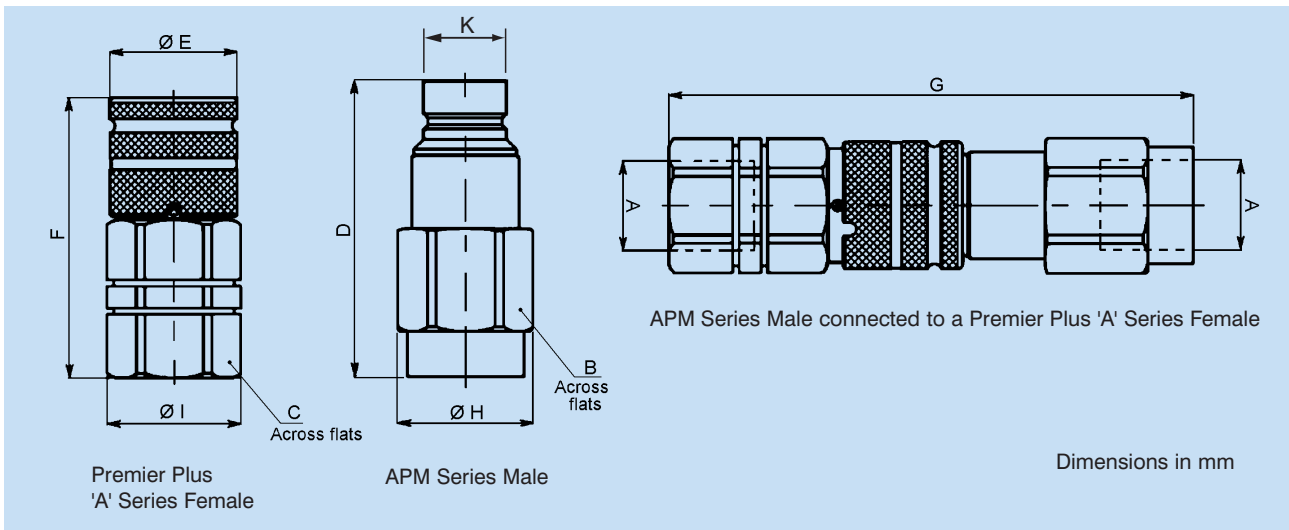
Award Winning Couplings



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 & 'A' Series Female
APM 9	9	3/8"	27	30	80	32	64.5	135	29	32	19.8	0.42 kg
APM 9	9	1/2"	27	30	82.5	32	69.5	138	29	32	19.8	0.44 kg
APM 13	13	1/2"	36	36	91	38	76.5	157	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	48	98.5	186	50	50	30	1.69 kg

PRESSURE RATINGS

Type and size	Maximum working pressure coupled to Premier Plus 'A' Series female	Maximum working pressure coupled to FIRG Premier Series female	Burst pressure coupled to Premier Plus 'A' Series female	Burst pressure coupled to FIRG Premier Series female	Burst pressure APM Male
APM 9	375	300	1100	1000	1100
APM 13	350	250	1100	1000	1100
APM 15	350	250	1100	900	1100
APM 17	350	250	1100	850	1100

ORDER CODES

M APM ** - * - *** - *	
M = Male coupling	Thread: I = Internal, E = External
Type and size	Thread: BSP, NPT SAE or Metric
Thread dimension 'A', see table of dimensions	

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.