

# IAP Series

Connect under pressure female couplers (Connects to "ISO A male probes)

## Introduction

AKJia's IAP Series ISO A female couplers are designed primarily for the agricultural industries and incorporate a push-pull design. The coupler can be either panel mounted using circlip grooves or manifold mounted.

## Construction

- Carbon steel with trivalent plating
- Zinc Nickel Plating is option
- Fitted with Nitrile seals

## Features

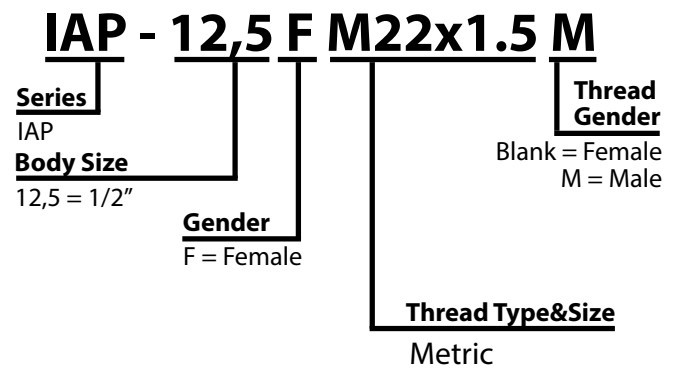
- Can be connected with residual pressure in the line
- Can be connected with standard ISO A or ISO 5675 1/2" male couplers
- Release mechanism protects coupler and hose from damage in event of accidental separating force
- Locking ball system allows quick connection
- Bidirectional flow

## Application

- Agricultural
- Mobile
- Construction
- General industrial



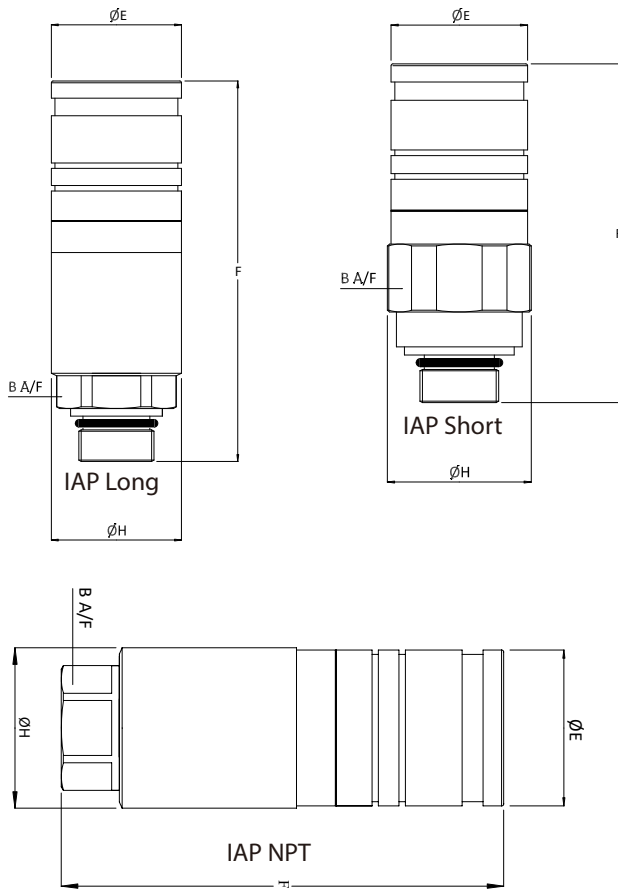
## Product Number Naming Rules



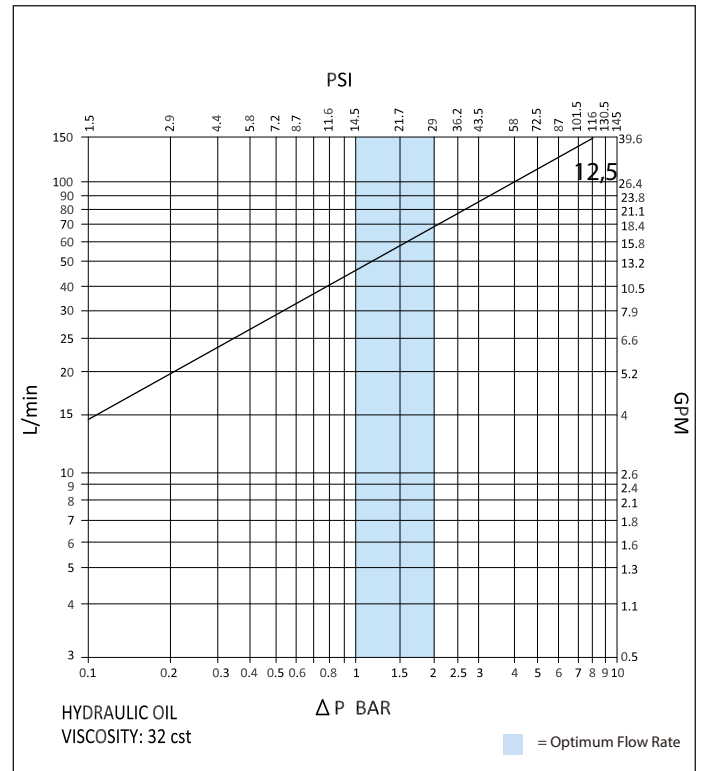
## Specifications

Seal Material	Min. Temp		Max. Temp	
Nitrile seals*	-40°C	-40°F	106°C	223°F

**Drawing**



**Pressure Drop Characteristics**



Size	Thread Size (A)	B	ØE	F	ØH	Maximum Working Pressure	Burst Pressure (coupled)	Burst Pressure (Male)	Burst Pressure (Female)
Dimensions in mm						bar			
Dimensions in inches						psi			
IAP-12,5	M22x1.5	38	94.5	40	38	300	1000	1000	38
		1.5	3.7	1.6	1.5	4350	14500	14500	1.5
IAP-12,5L	M22x1.5	32	111	38	38	300	1000	1000	32
		1.3	4.4	1.5	1.5	4350	14500	14500	1.3
IAP-12,5	1/2" NPT	26.98	107.5	37.9	38.9	300	1000	1000	26.98
		1.1	4.2	1.5	1.5	4350	14500	14500	1.1