FF90 SERIES

90 DEGREE FLAT FACE COUPLERS MADE TO THE ISO 16028 STANDARD

AKJia's FF90 Series is designed for use in applications that require a 90° elbow in the hydraulic circuit, such as digger booms. The right angle design allows for easy mounting without the need for additional fittings, reducing potential leakage paths and cost.

Series FF90 //Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel, Zinc-Plating
Standard Seal Material(s)	NBR (Buna-N®), PTFE,[2]
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Flat Face
Connection	Push
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Hammer circuits, High pressure pulse applications, Construction plant, mobile equipment, general industrial
ISO Interchange	ISO 16028

[2] Alternative seal materials are available on request.

Features

- Flush, non-spill valving
- 90 degree elbow incorporated into the coupler
- Push to connect operation
- Global interchangeability with other ISO 16028 compliant couplings
- Standard sleeve lock guards against accidental disconnection
- Flat faces are easily wiped clean
- Flat face design prevents fluid loss during disconnection
- The FF90 Series is designed to connect with FF Series flat face couplers
- 1/2" body size default, other size need to customized design.

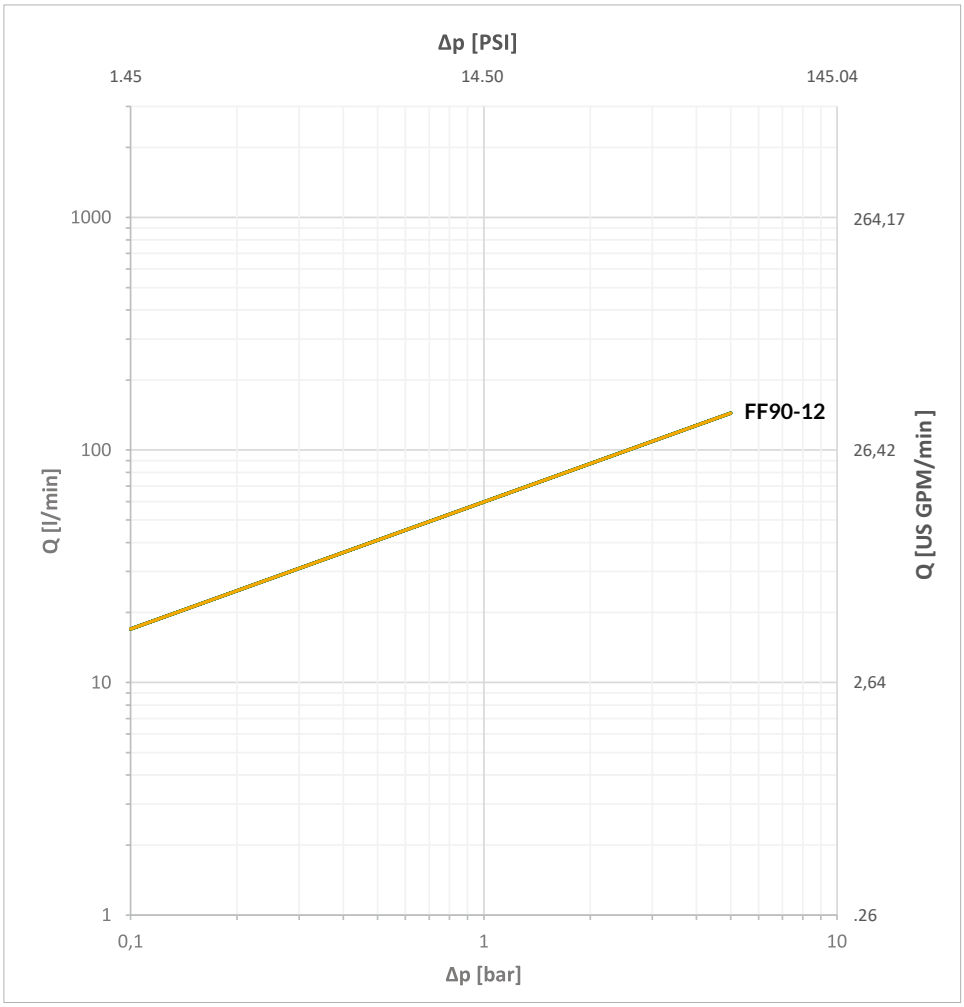
Applications

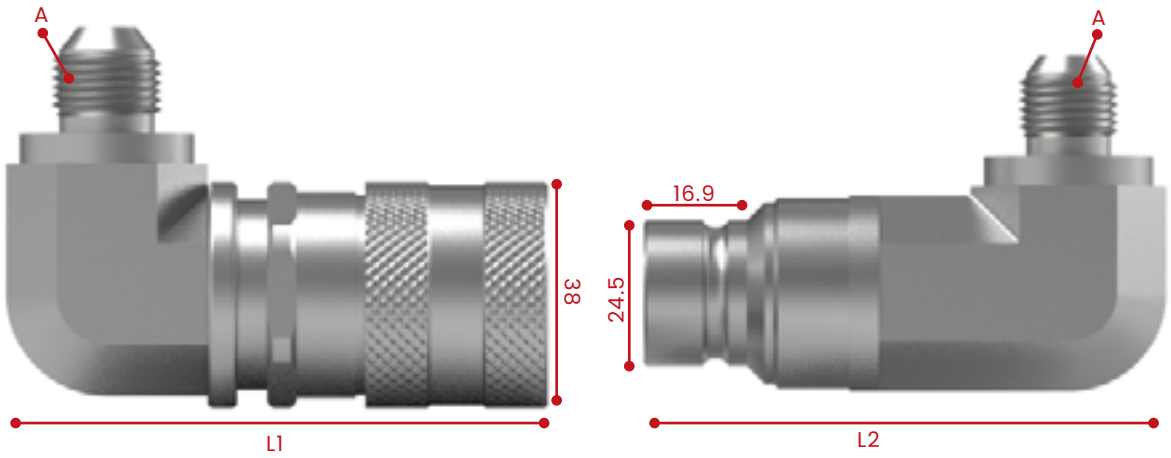
- Hammer circuits
- High pressure pulse applications
- Leak free environments
- Construction plant
- mobile equipment
- general industrial
- nuclear
- mining
- agricultural industries
- oil and gas industries

Technical Data

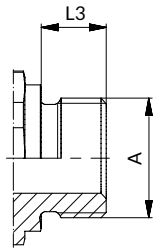
Series	DN Inch	DN Metric	Qmax		Working Pressure		bursting puresure coupled		female body		male tip		spillage
			l/min	US GPM	bar	psi	bar	psi	bar	psi	bar	psi	ml
FF90-12	1/2"	12,5	120	31.70	350	5076	1400	20300	1000	14504	1300	18550	0.02

Flow Characteristics





Series FF90-12 / Nominal Size 12,5

	Port A	Dimensions					Female Body	Weight(g)	Male Tip	Weight(g)
			L1	L2	L3	L4				
Female Thread According to DIN3852 - ANSI B 1.20.3 - SAE J1926-1										
	SAE 1/2"		100.5	88			FF90-12 F S1/2	465	FF90-12 F S1/2	355
	JIC 3/8"		100.5	88			FF90-12 F J3/8	443	FF90-12 F J3/8	385
	JIC 3/4"		100.5	88			FF90-12 F J3/4	503	FF90-12 F J3/4	421