

FAP SHUNT

SPECIAL SERIES



Technical specifications and options



Interchange
Stucchi profile



Sealing
Nitrile NBR



Available sizes
3/8" and 3/4"



Material /treatment
Carbon steel / ZnNi



Valving style
Flat face



Connection under pressure
allowed



Operating pressure
Up to 350 bar



Locking mechanism
Pin, Cam



Temperature
-20°C / +100°C



Connection system
By multicoupling



Available threads
not available



Flow rate
Up to 200 l/min

Benefits

- The shunt system avoids constant pressure in the fix multicoupling, when disconnected from the mobile.
- Works as hydraulic switch to connect-disconnect more lines in a quick way.
- Modular design allows to have several configurations for different multicoupling models.
- Flat face is easy to clean, helping to reduce the inclusion of contamination in the hydraulic circuit.
- Minimal fluid loss during connection/disconnection, reducing fluid loss to the environment.
- Minimal air inclusion during connection/disconnection, enhancing correct function of the circuit.
- Couplings without locking balls eliminate the "brinelling" effect.
- Zinc Nickel plating qualified for high corrosion resistance.
- Compact slim design.
- Safe and simple to use.

How to use

- To assemble the FAP SHUNT on the multiconnection: remove the seeger ring, unscrew the threaded nut, insert the couplings in the holes of the multiconnection; screw the threaded nut with a manual torque (an overtorque is not necessary!) then assemble the seeger ring to lock the threaded nut.
- To disassemble the FAP SHUNT couplings from the multiconnection: take away the seeger ring, unscrew the threaded nut, extract the couplings from the holes of the multiconnection.
- Before connecting clean the flat mating surface of couplings to avoid inclusion of contamination in the circuit.
- Connect and disconnect in according to the instruction of use for multicoupling.
- Test the correct functioning of the couplings

Easy shunt solution to connect two hydraulic lines

Zinc nickel surface plating for high corrosion resistance

Modular design

Interfaceable with mobile multicoupling of existing models

MAIN APPLICATIONS

Agriculture	Oil/Gas	Industry	High Pressure	Cooling
Refrigeration	Earth Moving	Vehicles	Hydraulic Equipment	Chemical & Food Industry

Performances

Size	Descriptive code	item code	Max. flow suggested		Hydrostatic pushing area coupled	Spillage*	Max. operating pressure		Burst pressure	
			l/min	GPM			Coupled		Coupled	
Inch					cm ²	ml	MPa	psi	MI	MI
3/8	F FAP9AZN SHUNT	Female 811424002	46	12,19	1,226	0,012	35	5075	120	17400
3/4	F FAP17ZN SHUNT	Female 811424000	200	53	3,298	0,032	33	4785	120	17400

* Spillage is an indicative value of the fluid loss during disconnection (according to ISO norm test method).

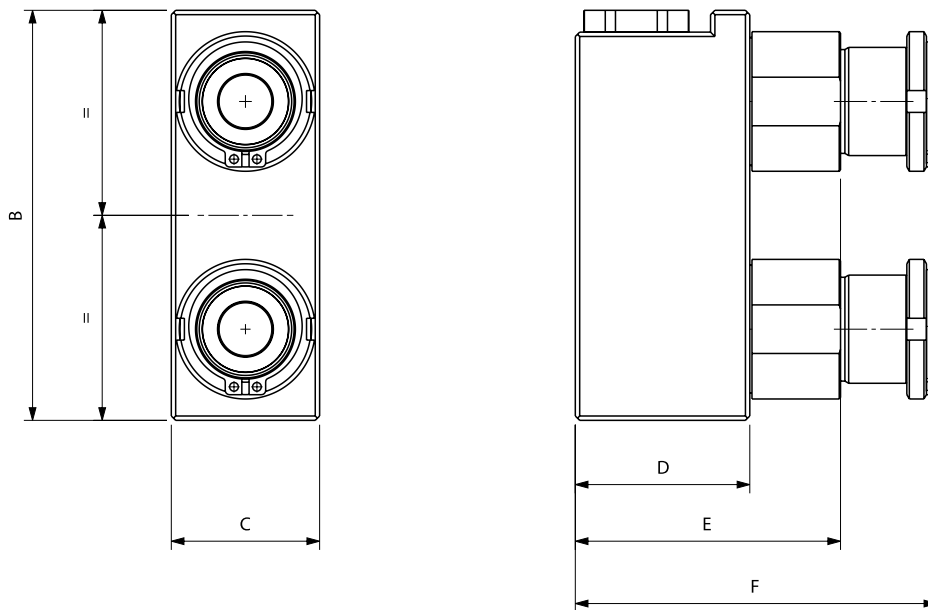
Temperature range:

Standard seals NBR, PUR, POM from -20°C to + 100°C (from -4 F° to +212°F).

Tests:

The couplings coupled have been tested at max. operating pressure for 200.000 impulses, replacing the seeger ring every 50.000 impulses, in accordance with ISO norm.

Overall dimensions



BODY	Descriptive code	Item code	Overall Length		Length		Length		Height		Width		Weight		Compatible multicouplings models
SIZE			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	Kg	Lbs	
3/8" - 10	F FAP9AZN SHUNT	811424002	F 82,9	3,26	E 60,8	2,39	D 40	1,57	B 94	3,70	C 34	1,34	C 1,12	2,47	DP2 2A-1EC; DP4 4A-2EC; DP6 4A-2EC
3/4" - 19	F FAP17ZN SHUNT	811424000	F 107,6	4,24	E 84	3,31	D 49	1,93	B 119	4,69	C 50	1,97	C 2,97	6,54	DP2 2D

FAP SHUNT

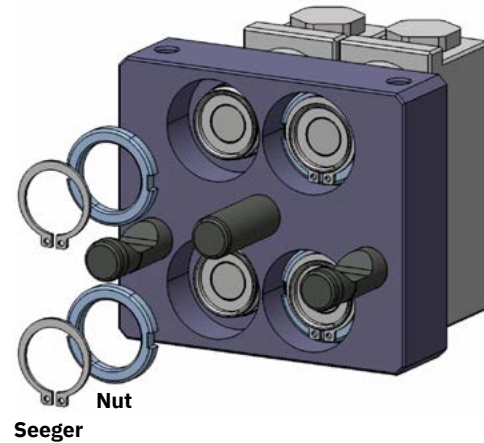
SPECIAL SERIES



Spare parts

Repair kit/Nut + Seeger

Part Number	NBR Version Description
815701000	SET OF 10 SEEGER+NUT FAP9AZN
815701004	SET OF 5 SEEGER+NUT FAP17ZN



⚠ WARNING

A defect, a wrong choice or an improper use of products, can cause injury to persons, animals and objects.
Never connect or disconnect with dynamic pressure (e.g. pump on).
Do not couple-uncouple with flow and/or pressure in the circuit.
Do not couple-uncouple when the temperature inside of the circuit is higher than 80° C (176° F).
It is important to limit contamination in the circuit to avoid compromising the function of the internal valves.
Make sure that the medium used is compatible with seal and material as indicated for each series.
In case of doubt please contact Stucchi Technical Support.
FAP SHUNT is intended to be used only on Stucchi Multiconnections. Do not use the FAP SHUNT coupling on a custom-made multiconnection or other device different than a Stucchi Multiconnection.
Do not disassemble, misuse, modify or damage the products.
FAP SHUNT is intended to be used with standard hydraulic oils in fluid power application. Do not use the FAP SHUNT with different fluids (for example with inflammable, corrosive or dangerous fluids, gases ecc). Replace the seeger ring every 50.000 impulse cycles.
For dimension "FAP9ZN 3/8": there are two versions of FAP9ZN: "A" and "D". The version is depending on the type of multiconnection in use. Please verify if the multiconnection you are using requires FAP9ZN "A" or "D" type consulting the single datasheet in case of need of spare parts. Contact Stucchi Service for support.
When the couplings are disconnected, it is suggested to use the protection cap and parking station.
It is **MANDATORY** to read and closely follow the instructions. Last updated version always applies at time of installation, see latest Instructions and warnings on Stucchi website before selecting or using Stucchi products.