FAP-HPSERIES

INTERCHANGE > **Stucchi profile (only for Stucchi multicouplings)**



TECHNICAL FEATURES AND OPTIONS

Interchange
Stucchi profile (only for Stucchi multicouplings)

Sealing description
Nitrile NBR

Connection system
By multicoupling

Available sizes
3/8”

Material /treatment
Carbon steel /Cr3-QPQ

Available threads
NPT

Operating pressure
Up to 720 bar

Locking mechanism
PIN/CAM

Flow rate
Up to 46 l/min

Temperature (°C)
-20° / +100°

Valving style
Flat face

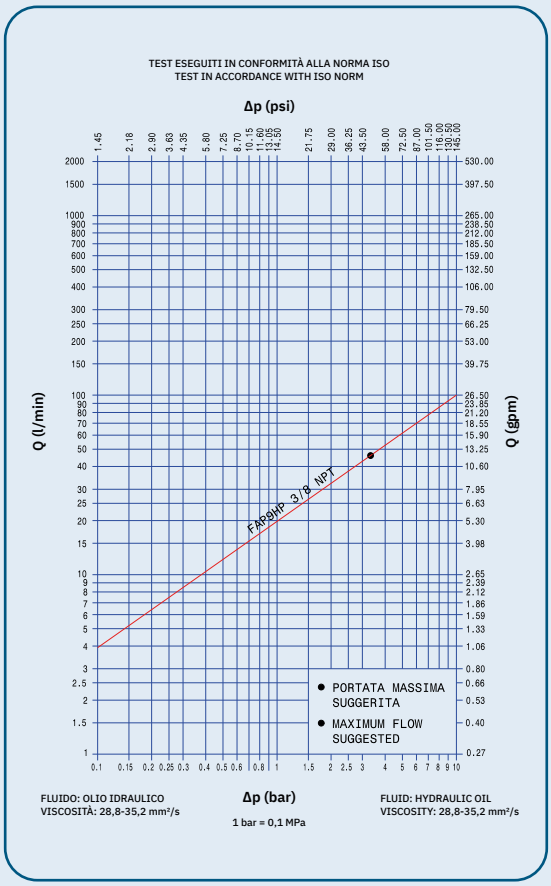
Connection under pressure
Connection: Both sides. Disconnection: allowed.

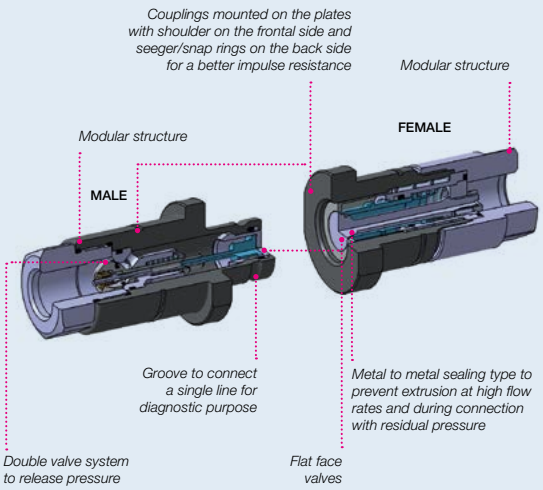
BENEFITS

- 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.
- Internal flow of valve design creates minimal pressure drop, maintaining circuit efficiency in the system.
- Internal pressure release valve system allows an easy connection with high internal residual pressure.
- The modular design allows for broad range of port configurations.
- Couplings without locking balls eliminate the “brinelling” effect.
- For diagnostic purpose of a single line (example: pressure or flow check for a limited period of time), male FAP9HP may be connected with a Stucchi “A9HP serie” flat face female coupling.
- Compact slim design.
- Safe and simple to use.

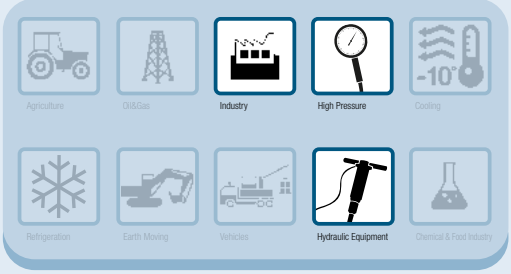
HOW TO USE

- See instructions at page 24.





MAIN APPLICATIONS



FAP-HPSERIES

Stucchi®

PERFORMANCE

Size		Series/Size	Max. flow suggested		Hydrostatic pushing area coupled	Spillage*
Inch	mm (ISO)		l/min	gpm	cm^2	ml
3/8	-	FAP9HP	46	12,19	1,168	0,012

Size	Series/Size	Max. operating pressure						Burst pressure					
		Coupled		Male		Female		Coupled		Male		Female	
Inch		MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi	MPa	psi
3/8	FAP9HP	72	10440	72	10440	42	6090	180	26100	200	29000	125	18125

Size	Series/Size	Max. residual pressure during connection						Max. residual pressure during disconnection	
		Male Female to drain		Female Male to drain		Male and Female			
Inch		MPa	psi	MPa	psi	MPa	psi	MPa	psi
3/8	FAP9HP	25	3625	25	3625	25	3625	25	3625

* Spillage is an indicative value of the fluid loss per couple-uncouple cycle without residual pressure.

Connection and disconnection with residual pressure in both couplings is recommended for occasional operations only.
For ordinary operations it is suggested to release pressure in one side before to connect and disconnect in way that operator effort and wearing of the couplings are reduced.

Temperature range:
Seals in NBR (Nitrile): from -20 °C to +100 °C (from -4 °F to +212 °F).

Tests:
The couplings have been tested at max. operating pressure for 10.000 impulses in according with ISO norm.

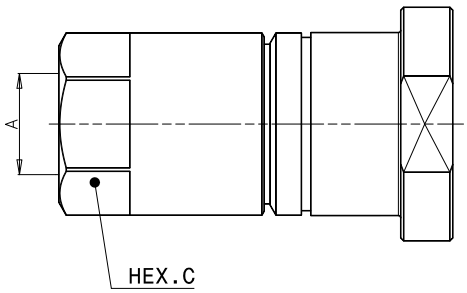
⚠ WARNING

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 use the female coupling disconnected with high impulse pressure.
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).
Check the maximum allowable operating pressure of the port in use.
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.
It is MANDATORY to read and closely follow the instructions. Last updated version always apply at time of installation, see latest written Instructions on Stucchi website (stucchigroup.com) before selecting or using Stucchi products.

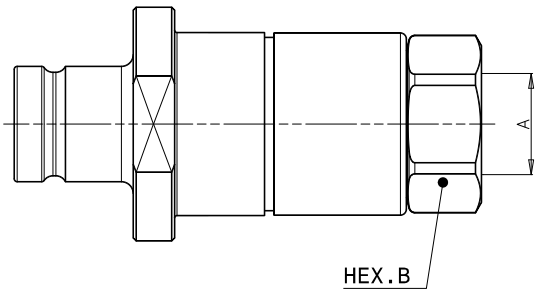
When the couplings are disconnected, it is suggested to use the protection cap and parking station.
It is important to limit contamination in the circuit to avoid compromising the function of the internal valve
FAP-HP series is intended to be used only on Stucchi Multiconnections. Do not use the FAP-HP coupling on a Custom-made multiconnection or other device different than a Stucchi Multiconnection.
FAP-HP series is intended to be used with standard hydraulic oils in fluid power application. Do not use the FAP-HP coupling with different fluids (for example with inflammable, corrosive or dangerous fluids, gases ecc).
Please verify if the multiconnection you are using requires FA9HP type consulting the single multicoupling datasheet
Do not use the male FAP-ZN groove to connect the A-HP series female for a continuous service with pressure impulse (this feature is intended to be used only for diagnostic purpose for a short&limited time).

SPECIFICATIONS

FEMALE



MALE



Port description: FEMALE THREAD NPT (ANSI B1.20.1)

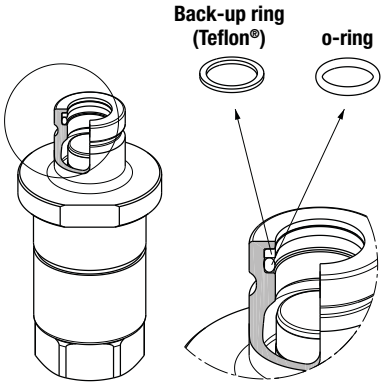
Body size	Descriptive Code	Item Code		Port (A)	A or D type	Hex			Weight	
							mm	in	kg	lb
3/8”	**F FAP9HP 3/8 NPT**	Female	**807101000**	3/8”	-	C	27,0	1,06	0,31	0,68
	M FAP9HP 3/8 NPT	Male	**807101001**			B	27,0	1,06	0,31	0,67



SPARE KIT SEAL FOR MALE

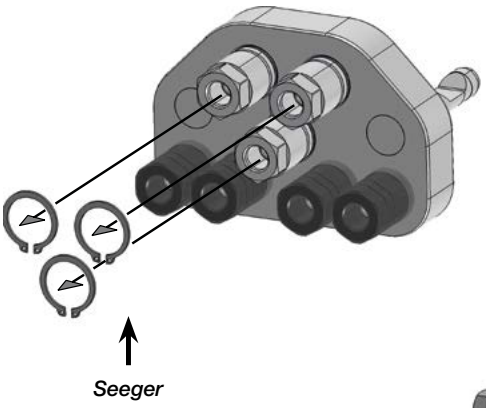
Repair kit / OR+BK		
Body Size	Description	Part Number
3/8”	FAP9HP	815701119

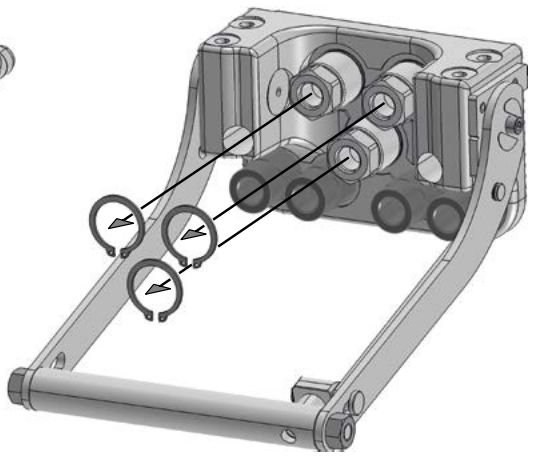
O-Ring in Nitrile
BackUp in Teflon®



REPAIR KIT/SEEGER

Repair kit/Seeger	
Part Number	Description
815701038	SET OF 5 SEEGER FOR PLUG FAP9HP





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