

Pressure Activated Firing Head (LP)

DESCRIPTION

The Pressure Activated Firing Head (LP) was developed for use where pressure firing is required, including horizontal wells, well stimulation or as a backup firing system. These tools utilize our precision shear pin technology with an accuracy of +/- 5%. This low pressure system can be set to activate at predetermined pressures ranging from 2,000 psi to 18,000 psi by utilizing two sizes of precision shears.

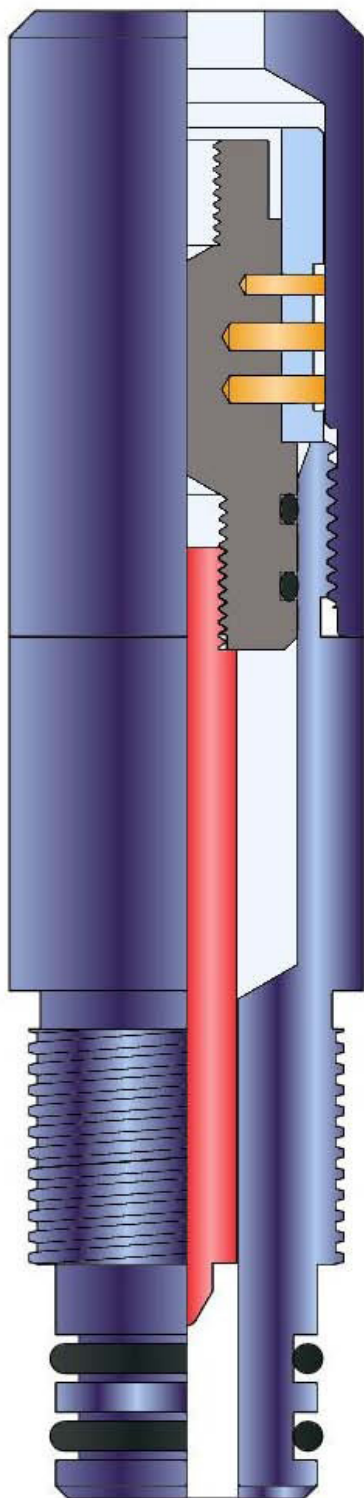
FEATURES AND BENEFITS

- Utilized with any of Owen TCP Firing Head Top Sub or an Automatic Release Firing Head
- Used with Owen Time Delay Fuses
- Can be placed top or bottom of all Owen TCP Guns
- Well Suited for highly deviated wells
- Can be run on Coil Tubing
- Can be run on Slick Line or Electric Line
- Minimum operating pressure 2,000 psc (14 MPa)
- Maximum operating pressure 18,000 psi (124 MPa)
- Requires pinning to 8,000 psi (55 MPa) to pass API RP-67 drop testing

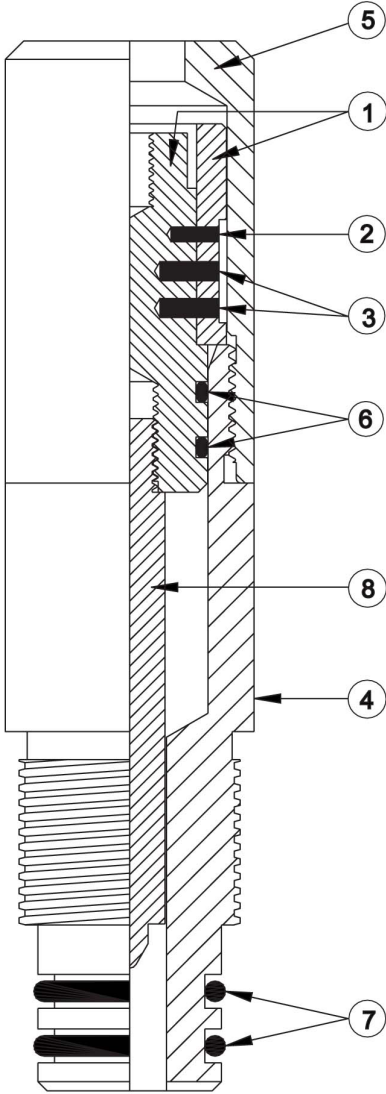
SPECIFICATIONS

O.D.	1.69"	43 MM
Make-up Length	4.75"	121 mm
Max. Temperature ¹	250°F (121°C)	
Max. Hydrostatic	18,000 psi	124 MPa
Min. Hydrostatic	2,000 psi	13.8 MPa

¹The maximum temperature can be increased to 400° (200°C) by substituting the 90 durometer Nitrile O-Rings with 90 durometer Viton O-Rings. Refer to the Time vs Temperature chart for Explosives to confirm any explosives requirements.



BOM and Schematic



ITEM	PART NUMBER	QTY	DESCRIPTION
--	TC-020-1688-000	--	Pressure Activated Firing Head
1	TC-020-0003-000	1	Piston/Shear Ring Matched Set
--	TC-020-0004-000	--	Piston - PAF (Included in TC-020-0003-000 not sold separately)
--	TC-020-0005-000	--	Shear Ring - PAF (Included in TC-020-0003-000 not sold separately)
2*	SF-010-0100-038	8	Shear Pin - small diameter
3*	SF-010-0130-045	16	Shear Pin - large diameter
4	TC-020-0001-000	1	Piston Housing - PAF
5	TC-020-0002-000	1	Retainer Cap - PAF
6*	OOO-N569-118	2	O-Ring
7*	OOO-N569-214	2	O-Ring
8*	TC-020-0000-000	1	Firing Pin, C.P./TDF - Slim
--	TC-020-1688-099P	--	Redress Kit, PAF
--	TC-020-1688-399P	--	Redress Kit, PAF, HT
--	MAN-TC-020-1688-000	--	Assembly Manual

* Denotes Items in Redress Kits.

High Temperature Kits contain Viton 90 O-Rings.