

TPC Non-Precision Tubing Pumps

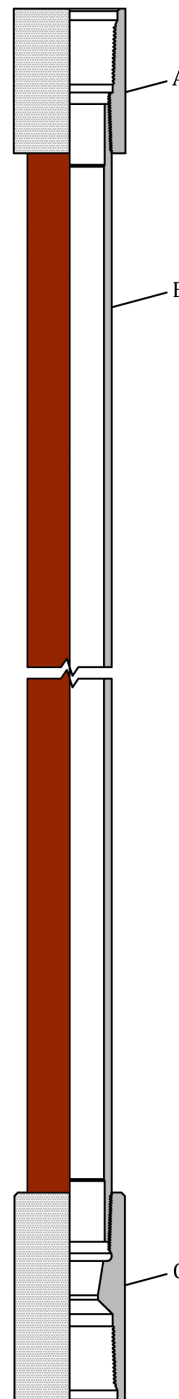
Pump Assemblies

Item	Description	No. Req'd	Bore Size	
			2-3/8" x 1-25/32" (1)	2-7/8" x 2-1/4" (2)
Barrel Assembly				
A	Coupling, Upper Barrel	1		
	8 Rd. EUE x 11-1/2"		CB12	CB22
B	Barrel, Heavy Wall TP	1		
	Steel, Plain 16'		BT1116NP	BT1516NP
	Steel, CPID 16'		BT1116CNP	BT1516CNP
	Brass, Precision		BT11163NP	BT15163NP
C	Coupling, Lower Barrel	1		
	8 Rd. EUE x 11-1/2"		CB14	CB24
Plunger Assembly				
D	Cage, Top Open	1		
	3/4" Pin		CF44-1	CF64-1
	7/8" Pin		CF44-2	CF64-2
E	Valve, Ball and Seat	1	Ball	Seat
	Alloy		B072 S042	B092 S062
	Titanium		B073 S043	B093 S063
	Nickel Carbide		B075 S045	B095 S065
F	Plunger	1		
	Phenolic Ring		PM410-60N	PM610-60N
	Composition Ring		PC410-60F	PC610-60F
	Pressure Actuated Ring		PG516C	PG716C
G	Cage, Closed Plunger		CF41	CF61
H	Puller, S.V. (Pin End)	1	SP20	SP30
Hold-Down Assembly				
I	Cage, Open Std. Valve	1	CF45	CF65
J	Valve, Ball and Seat	1	Ball	Seat
	Alloy		B072 S042	B092 S062
	Titanium		B073 S043	B093 S063
	Nickel Carbide		B075 S045	B095 S065
K	Body, Hold-Down 2-Cup	1	HM43	HM53
L	Cup, Seating	2	SC052-HR	SC082-HR
M	Ring, Seating Cup	1	HS41	HS51
N	Nut, Seating Cup	1	HL41	HL51
O	Coupling, Seating Cup	1	HB41-3	HB51-4

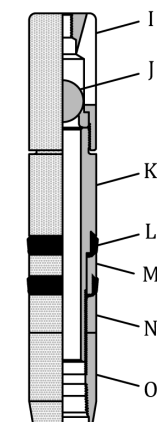
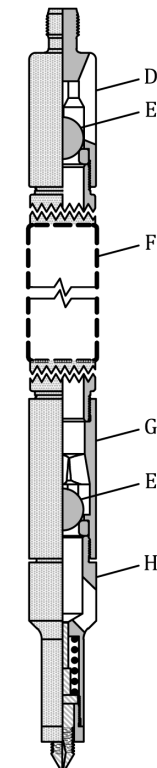
These are typical API "TP" tubing pumps using 3' plungers and 16' barrels with non-precision barrels for "soft" (flex-ring, composition ring or pressure actuated ring plungers). Other standard length plungers and barrels are available. Other ball and seat combinations are available. Pullers and Fittings are steel, other materials available. API mechanical type hold-downs are also available.

- (1) API 20 -178-TPC -16-3
- (2) API 25 -225-TPC -16-3

Stationary Assembly



Traveling Assembly



Standing Valve Assembly