

# Hi-Pro Pump

Oversize tubing pump for maximum volume in limited tubing

## APPLICATIONS

- High fluid production
- Shallow- to moderate-depth wells

## ADVANTAGES

- Accommodates higher fluid volumes than insert pumps
- Largest bore rod pump
- Heavy-walled barrel

The Don-Nan Hi-Pro Pump is typically called for as wells mature and begin to produce larger volumes of water than originally anticipated. To overcome this restriction without replacing the tubing string with larger tubing, a tubing-style pump where the outside diameter of the plunger is greater than the inside diameter of the tubing string is installed.

## Design

The Hi-Pro Pump is a practical choice for a wide range of tubing sizes, with bore sizes ranging from 2-1/4" up to 3-3/4". Unlike an API tubing pump which can partly be retrieved by pulling the rod string, the Hi-Pro Pump is entirely ran on the tubing string. The rod string connects to the plunger assembly by way of a sinker bar or polished rod and an on-off tool which means the tubing must be pulled in order to service the pump.



Hi-Pro Pump

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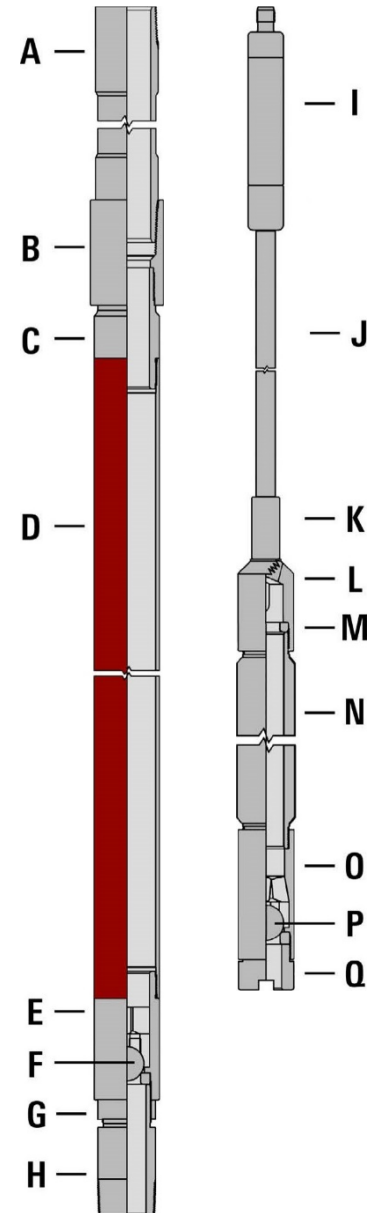
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## Hi-Pro Pump Specifications

		Tubing x Pump Bore Size, in						
		2 3/8 x 2 1/4	2 3/8 x 2 3/4	2 7/8 x 2 3/4	2 7/8 x 3 1/4	3 1/2 x 3 1/4	3 1/2 x 3 3/4	
Description	Item Req.	Part Number						
<b>Stationary Assembly</b>								
Nipple, upper extension	A	1	NE212	NE212	NE312	NE312	NE412	NE412
Coupling	B	2	05B20	05B20	05B21	05B21	05B22	05B22
Connector, Upper	C		BN111	BN121	BN221	BN231	BN331	BN341
Barrel, heavy wall	D		BT1520CIT	BT1720CIT	BT1720CIT	BT1820CIT	BT1820CIT	BT1920CIT
Cage, closed barrel (clutched)	E	1	CF865	CF965	CF965	CF1065	CF1065	CF1065-4.25
Valve, ball and seat	F		050 + 07	052 + 08	052 + 08	054 + 09	054 + 09	054 + 09
Locknut	G		BN013	BN023	BN023	BN033	BN033	BN033
Connector, Lower	H		BN112	BN122	BN222	BN232	BN332	BN332
<b>Traveling Assembly</b>								
On-Off Tool	I		81OF052HD	81OF052HD	81OF080AHD	81OF108HD	81OF1440	81OF1440
Polished Rod	J		33A1870	33A01870	33A01870	33A01870	33A0189	33A0189
Coupling, Polished Rod	K		0709PR	0709PR	0709PR	0709PR	0704PR	0704PR
Cage, top open	L		CF640-2	CF840-2	CF840-2	CF940-2	CF940-3	CF1045-3
Seat (spacer)	M	1	06	07	07	08	08	09
Plunger	N		P714-5	P914-5	P914-5	P1014-5	P1014-5	P1114-5
Cage, closed plunger	O		CF615	CF815	CF815	CF915	CF915	CF1015
Valve, ball and seat	P		048 + 06	050 + 07	050 + 07	052 + 08	052 + 08	054 + 09
Plug, seat (clutched, extension)	Q		PS63	PS81	PS81	PS91	PS91	PS1030

Barrel, barrel extensions, plunger, and polished rod must all be specified in length.  
All components may be specified by material and coating type.



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LUFKIN Don-Nan is an API 11AX certified manufacturer for  
25 continuous years and counting.

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