

Hydraulic Pumps

Airetool hydraulic pumps have large wheels for easier movement over uneven surfaces and heavy duty lifting eye for overhead lifting. Control cables and hoses are

wrapped together, and the hydraulic hoses have corresponding quick change disconnects for rapid attachment to the pumps and rams.



ATP-9400-B Electric Hydraulic Pump Unit
Requires HDP-HC-15B Hose Cord Assembly w/Pendant (5525505) when operating HDP / HDQ / RAV 99 Rams.

PATP-9400 P Pneumatic Hydraulic Pump Unit
Requires PATP 9000 HT Hose Tube assembly (5524903) and PATP-HDP Pendant Assembly (5524904) when operating HDP / HDQ / RAV 99 Rams.

ATP 9400 P Electric Pump Specifications

Model	Number	Source Voltage	Control Voltage	Sound Level	Weight lbs.	kg.
ATP 9400B	2900589	110V/60Hz	24 VDC	68-72 dBA	155	70.3
ATP 9400B 220/50	2900590	220V/50Hz	24 VDC	68-72 dBA	155	70.3
ATP 9400B 230/60	2900591	230V/60Hz	24 VDC	68-72 dBA	155	70.3

HTP 99 Ram 2900118 Specifications

Stroke	Maximum Capacity @ 10,000 PSI	Height		Weight lbs.	kg.				
		Retracted	Extended						
7"	177.8mm	30 Ton	27.2 Metric	13"	330.2mm	20"	508mm	44	20

Model #PATP-9000-HT HOSE & TUBE ASSEMBLY (5524903)

Specifications:

Length	15'	4.6 mm
Weight	12 Lbs.	5.5 Kg
Hydraulic Hose Operating Pressure	10,000 PSI	690 bar
Air Line Operating Pressure	100 PSI	6.9 bar



Model #PATP-HDP PENDANT ASSEMBLY (5524904)

Specifications:

Length	7 1/4"	184 mm
Weight	5 Oz.	140 g
Operating Air Pressure	100 PSI	6.9 bar



Other Airetool Tube Removal Products

Model #PATP-9000 Pneumatic Hand Piece (5524902)

Specifications

Tube Capacity	5/8" - 1" O.D.	16-25 mm
Pulling Capacity @ 10,000 PSI	13.75 Tons	12.5 M. Tons
Stroke	2 3/8"	60 mm

Dimensions with Grippers Assembled

Length	23 3/8"	594 mm
Width	3 3/4"	95 mm
Weight	24 Lbs.	11 Kg



Requires Airetool pump model PATP-9400 P (2999307), PATP-9000 HT hose tube assembly (5524903) and gripper accessories shown below.

Model #ATP-9000B Electric Hand Piece (5525469)

Specifications

Tube Capacity	5/8" - 1" O.D.	16-25 mm
Pulling Capacity @ 10,000 PSI	13.75 Tons	12.5 M. Tons
Stroke	2 3/8"	60 mm

Dimensions with Grippers Assembled

Length	23 3/8"	594 mm
Width	3 3/4"	95 mm
Weight	24 Lbs.	11 Kg



Requires Airetool pump model ATP-9000B (2900589), ATP-9000BHCA hose cord assembly (5525470) and gripper accessories shown below.

Gripper Kits and Components

Tube OD	Tube Wall BWG	Part Name* ATP-9022-	Gripper Complete	Gripper Kit	Gripper Segment	Nose Bushing	Draw Rod	Expansion Nut	Lock Nut	Front O-Ring	Rear O-Ring
5/8	16-18	568	5520793	5520782	2991196	2991245	2991237	2991238	2991239		
5/8	20-22	522	5520794	5520783	2991197	ATP-9042-5/8	ATP-9034-5/8	ATP-9035-8	ATP-9036-5/8		
3/4	14-15	34	5520795	5520784	2991198		2991218	2991224	2991227	3105400	3094500
3/4	16-18	368	5520796	5520785	2991199	ATP-9014-3/4	ATP-9015-3/4	ATP-9016-3/4	ATP-9017-3/4	200-9	RTV-65
3/4	20-22	322	5520797	5520786	2991200						
7/8	12-14	724	5520798	5520787	2991201						
7/8	16-18	768	5520799	5520788	2991202	2991232					
7/8	20-22	722	5520800	5520789	2991203	ATP-9027-7/8					
1	12-14	124	5520801	5520790	2991204		2991240	2991241	2991242	3010453	3220900
1	16-18	168	5520802	5520791	2991205	2991244	ATP-9037-7/8-1	ATP-9038-7/8-1	ATP-9039-7/8-1	2-113	900-83
1	20-22	122	5520803	5520792	2991206	ATP-9041-1					

NOTE: A Gripper Complete consists of 3 Gripper Segments and Both O-Rings.
A Gripper Kit consists of 3 Gripper Segments, both O-Rings, 1 Draw Rod, 1 Expansion Nut, 1 Lock Nut, and 1 Nose Bushing.
*The Part Name is the same for Gripper Complete, Gripper Kit, and Gripper Segment. (eg. 3/4"x16ga. Gripper Complete = ATP-9022-368).



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New! Hydraulic Tube Pulling Rams
for tube sizes 1/2" thru 2 1/2" OD tubes.

Introducing our new series of Hydraulic Tube Pulling Rams for tube sizes 1/2" thru 2-1/2" OD tubes.

- Utilizes one tube pulling ram accommodating various applications.
- Modular design allows for easy changeover.
- Onboard relief valve.
- New design quick change load caps and chairs for easy setup and size changeover.
- Increased 7" pulling stroke for difficult tube removal applications.
- Rams work with all Airetool electric and pneumatic pumps.

HDP 99 Ram Kit (5525280)

HDP 99 Ram Kit (5525280) includes:
 2900118 HTP 99 Ram
 5525283 HDP 99 ALA Adapter Lock Assembly
 2900007 HDP 99 LC 1 QC 1" Load Cap



On board adapter lock stays with ram at all times

For Tube Sizes 1/2" thru 1" the following accessories are required:
 HDP 99 3055 3 Spear Adapter 2900051
 Tube Pulling Spear (Refer to the chart below for size selection.)

For Tube Sizes 1 1/8" thru 2" the following accessories are required:
 HDP 99 3055 3 Spear Adapter 2900051
 HDP 99 Adapter Kit (Refer to the chart below for size selection.)
 Tube Pulling Spear (Refer to the chart below for size selection.)

HDP Spears (Other sizes are available upon request)

Tube Size In.-Gauge	Number	Small Dia. End		Large Dia. End		Length	Flat Size
		In.	mm	In.	mm		
1/2-20	2983511	.427	10.8	.499	12.7		
5/8-12-13	2968758	.402	10.2	.610	15.5		
5/8-14-15	2968759	.454	11.5	.662	16.8		
5/8-16-17	2968760	.489	12.4	.625	15.9		
5/8-18-19	2968761	.521	13.2	.625	15.9		
5/8-20	2979942	.545	13.8	.620	15.7		
3/4-10	2968759	.454	11.5	.662	16.8		
3/4-11-13	2968762	.505	12.8	.713	18.1		
3/4-14-15	2968764	.597	15.2	.750	19.1		
3/4-16-17	2968765	.614	15.6	.750	19.1	8 3/4"	7/8"
3/4-18-19	2968766	.646	16.4	.750	19.1	(223)	HEX
3/4-20	2979941	.670	17.0	.745	18.9		
7/8-14-15	2968769	.699	17.8	.875	22.2		
7/8-16-18	2968768	.740	18.8	.948	24.1		
7/8-20	2983512	.800	20.3	.874	22.2		
1-9-10	2968769	.699	17.8	.875	22.2		
1-11	2968770	.755	19.2	.963	24.5		
1-12-13	2968771	.777	19.7	.985	25.0		
1-14-15	2968772	.829	21.1	1.000	25.4		
1-16-17	2968773	.869	22.1	1.000	25.4		
1-18-20	2968774	.896	22.8	1.000	25.4		
1 1/4-7-8	2968775	.885	22.5	1.114	28.3		
1 1/4-10-11	2968776	.977	24.8	1.206	30.6		
1 1/4-12-13	2968778	1.027	26.1	1.256	31.9	5 1/2"	1 1/4"
1 1/4-14-15	2968780	1.079	27.4	1.308	33.2	(138)	HEX
1 1/4-16-18	2968781	1.115	28.3	1.344	34.1		
1 1/2-10-11	2968782	1.227	31.2	1.456	37.0		
1 1/2-12-13	2968784	1.277	32.4	1.500	38.1		
1 1/2-14	2968786	1.329	33.8	1.500	38.1		

HDP 99 Ram Accessories

Description	Part Number
HDP 99 3055 3 Adapter	2900051
HDP 99 3055 5 Adapter Extension	2900011
HDP 99 3055 5 MF Adapter Extension	2900633
HDP 99 ALA Adapter Lock Assembly	5525283
HDP 99 LC 1 QC Load Cap	2900007
HDP 99 LC 5/8 QC Load Cap	2900008
HDP 99 LC 3/4 QC Load Cap	2900009
HDP 99 LC 7/8 QC Load Cap	2900010

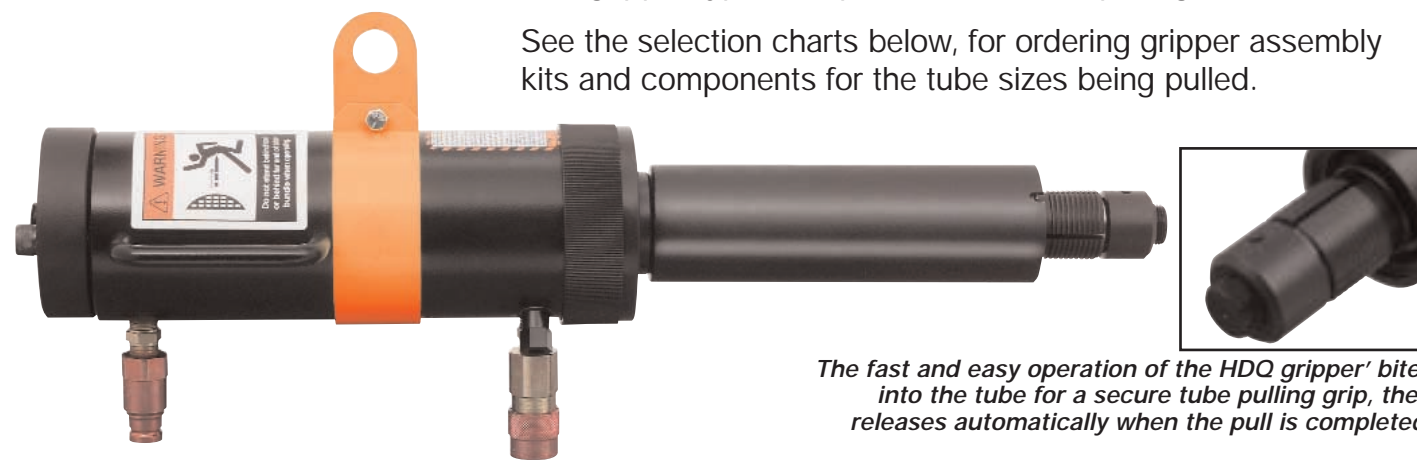
Spare spears, adapter and adapter extensions are recommended.

HDQ 99 Ram Kit (5525281)

HDQ 99 Ram Kit (5525281) includes:
 2900118 HTP 99 Ram
 5525447 HDQ 99 APA Adapter Plate Assembly

HDQ 99 Gripper type tube puller is designed for pulling 1-1/4" thru 2-1/2" OD tubes in heat exchangers and fire tube boilers. This gripper type tube puller makes tube pulling faster and easier.

See the selection charts below, for ordering gripper assembly kits and components for the tube sizes being pulled.



The fast and easy operation of the HDQ gripper bites into the tube for a secure tube pulling grip, then releases automatically when the pull is completed.

Gripper Accessories 1 1/4" - 1 3/4"

Tube OD	Tube Wall BWG	Gripper Kit Description Part Number	Item Name	HDQ 99 QC Chair	Position Sleeve	Sleeve Adapter	Gripper	O-Ring	Mandrel	Stop Nut	Spring	Socket Set Screw	Retainer Ring	Drawbar	Set Screw
1 1/4	8-10	HDQ 99 125 8/10 5525293	Desc. HDO 99 7 125F Part No. 2999993 Qty. 1	HDQ 99 7 125F 2985180	HDQ 125 PS 2985180	HDQ 125 SA 2985186	HDQ 125 1 2985168	RTV 60 3094100	HDQ 125 M 2985196	HDQ 125 1SN 2985191	HDQ 31 8 2985203	10 32 x 3/16 8009800	HDQ 125 2985357	HDQ 99 5 2900012	*
1 1/4	11-14	HDQ 99 125 11/14 5525294	Desc. HDO 99 7 125F Part No. 2999993 Qty. 1	HDQ 99 7 125F 2985180	HDQ 125 PS 2985180	HDQ 125 SA 2985186	HDQ 125 2 2985169	RTV 60 3094100	HDQ 125 M 2985196	HDQ 125 2SN 2985192	HDQ 31 8 2985203	10 32 x 3/16 8009800	HDQ 125 2985357	HDQ 99 5 2900012	*
1 1/4	15-18	HDQ 99 125 15/18 5525295	Desc. HDO 99 7 125F Part No. 2999993 Qty. 1	HDQ 99 7 125F 2985180	HDQ 125 PS 2985180	HDQ 125 SA 2985186	HDQ 125 3 2985170	RTV 60 3094100	HDQ 125 M 2985196	HDQ 125 3SN 2985194	HDQ 31 8 2985203	10 32 x 3/16 8009800	HDQ 125 2985357	HDQ 99 5 2900012	*
1 1/2	8-12	HDQ 99 150 8/12 5525296	Desc. HDO 99 7 150F Part No. 2999994 Qty. 1	HDQ 99 7 150F 2985181	HDQ 150 PS 2985181	HDQ 150 SA 2985187	HDQ 150 1 2985170	2 213 8010303	HDQ 150 M 2985197	HDQ 150 1SN 2985193	HDQ 31 8 2985203	10 32 x 3/16 8009800	HDQ 150 2985668	HDQ 99 5 2900012	*
1 1/2	13-18	HDQ 99 150 13/18 5525297	Desc. HDO 99 7 150F Part No. 2999994 Qty. 1	HDQ 99 7 150F 2985181	HDQ 150 PS 2985181	HDQ 150 SA 2985187	HDQ 150 2 2985171	2 213 8010303	HDQ 150 M 2985197	HDQ 150 2SN 2985194	HDQ 31 8 2985203	10 32 x 3/16 8009800	HDQ 150 2985668	HDQ 99 5 2900012	*
1 3/4	8-12	HDQ 99 175 8/12 5525298	Desc. HDO 99 7 175F Part No. 2999995 Qty. 1	HDQ 99 7 175F 2985182	HDQ 175 PS 2985182	HDQ 175 SA 2985189	HDQ 175 1 2985172	700-30 3203900	HDQ 175 M 2985197	HDQ 175 1SN 2985195	HDQ 31 8 2985203	10 32 x 3/16 8009800	1 3/8 2349000	HDQ 99 5 1/4-20 x 1/4 2900012	8006600
1 3/4	13-18	HDQ 99 175 13/18 5525299	Desc. HDO 99 7 175F Part No. 2999995 Qty. 1	HDQ 99 7 175F 2985182	HDQ 175 PS 2985182	HDQ 175 SA 2985189	HDQ 175 2 2985173	2 216 8010304	HDQ 175 M 2985197	HDQ 175 1SN 2985195	HDQ 31 8 2985203	10 32 x 3/16 8009800	1 3/8 2349000	HDQ 99 5 1/4-20 x 1/4 2900012	8006600

Gripper Accessories 2" - 2 1/2"

Tube OD	Tube Wall BWG	Gripper Kit Description Part No.	Item No. Item Name	HDQ 99 QC Chair	Drawbar	Stop Plate	Spring	Position Sleeve	Socket Set Screw	Sleeve Adapter	Gripper	O-Ring	Cam	Retainer Ring	Stop Nut	Socket Set Screw	Retainer Ring
2	8-12	GRP 99 200 8/12 5525300	Desc. HDO 99 7 200F Part No. 2999996 Qty. 1	HDQ 99 7 200F 2900052	GRP 99 4 2987488	GRP 200 STP 2986930	GRP 200 SPR 2985183	10 32 x 1/2 8010346	GRP 200 SA 2986932	GRP 200 1 2987091	2 218 8010363	GRP 200 CAM 2988791	5160 98 8010362	GRP 200 SN 2986933	1/4-20x5/16 8010335	1 5/8 2350300	
2	13-18	GRP 99 200 13/18 5525301	Desc. HDO 99 7 200F Part No. 2999996 Qty. 1	HDQ 99 7 200F 2900052	GRP 99 4 2987488	GRP 200 STP 2986930	GRP 200 SPR 2985183	10 32 x 1/2 8010346	GRP 200 SA 2986932	GRP 200 2 2987094	2 221 8010408	GRP 200 CAM 2988791	5160 98 8010362	GRP 200 SN 2986933	1/4-20x5/16 8010335	1 5/8 2350300	
2 1/4	8-12	GRP 99 225 8/12 5525302	Desc. HDO 99 7 225F Part No. 2999997 Qty. 1	HDQ 99 7 225F 2900052	GRP 99 4 2987488	GRP 200 STP 2986930	GRP 200 SPR 2985184	10 32 x 1/2 8010346	GRP 200 SA 2986932	GRP 225 1 2987092	2 222 8010409	GRP 225 CAM 2986929	5160 98 8010362	GRP 225 SN 2986934	1/4-20x5/16 8010335	2 2005500	
2 1/4	13-18	GRP 99 225 13/18 5525303	Desc. HDO 99 7 225F Part No. 2999997 Qty. 1	HDQ 99 7 225F 2900052	GRP 99 4 2987488	GRP 200 STP 2986930	GRP 200 SPR 2985184	10 32 x 1/2 8010346	GRP 200 SA 2986932	GRP 225 2 3165700	2 226 2986929	GRP 225 CAM 2986929	5160 98 8010362	GRP 225 SN 2986934	1/4-20x5/16 8010335	2 2005500	
2 1/2	8-12	GRP 99 250 8/12 5525304	Desc. HDO 99 7 250F Part No. 2999998 Qty. 1	HDQ 99 7 250F 2900052	GRP 99 4 2987488	GRP 200 STP 2986930	GRP 200 SPR 2985185	10 32 x 1/2 8010346	GRP 200 SA 2986932	GRP 250 1 2987095	2 224 8010192	GRP 225 CAM 2986929	5160 98 8010362	GRP 225 SN 2986934	1/4-20x5/16 8010335	2 2005500	
2 1/2	13-18	GRP 99 250 13/18 5525305	Desc. HDO 99 7 250F Part No. 2999998 Qty. 1	HDQ 99 7 250F 2900052	GRP 99 4 2987488	GRP 200 STP 2986930	GRP 200 SPR 2985185	10 32 x 1/2 8010346	GRP 200 SA 2986932	GRP 250 2 2987093	2 226 2983713	GRP 225 CAM 2986929	5160 98 8010362	GRP 225 SN 2986934	1/4-20x5/16 8010335	2 2005500	

Gripper Kit comes with all accessories required for a specific tube O.D. & Ga.. Spare grippers, o-rings, draw bars, stop nuts and cams are recommended.

RAV 99 Ram Kits

RAV 99 Ram Kits include:
 2900118 HTP 99 Ram
 Jaw Holder & Jaw
 Attachment Assembly
 (See chart below for size selection.)

RAV Semi Continuous Tube Pulling Rams allow continuous pulling for tubes up to 1" (25.4mm) O.D. Tubes over 1" have a maximum pulling length of 7" (177mm).

To order, select the desired RAV Ram Kit, Spear, and Collar. The universal design allows for easy size change over.



On board Jaw Holder for semi continuous pulling.

Tube Size	RAV 99 Ram Kit with Jaw Holders & Jaws Part Number	RAV 99 Jaw Holders & Jaws Part Number	*RAV 99 Jaw Set Part Number
5/8"	5525430	5525308	7025597
3/4"	5525429	5525309	7025568
7/8"	5525428	5525310	7025598
1"	5525427	5525311	7025570

*Includes 4 springs

RAV Spears

Description	Part Number	Tube ID	Jaw Dia.	Square Size
RAV 99 406 5/8	2900189	5.5 - 6.5	.215 - .255	
RAV 99 407 5/8	2900190	6.5 - 7.5	.255 - .295	
RAV 99 408 5/8	2900191	7.5 - 8.5	.295 - .335	
RAV 99 409 5/8	2900192	8.8 - 9.5	.335 - .375	
RAV 99 410 5/8	2900193	9.5 - 10.5	.375 - .415	5/8" 1/2"
RAV 99 411 5/8	2900194	10.5 - 11.5	.415 - .455	
RAV 99 412 5/8	2900195	11.5 - 12.5	.455 - .495	
RAV 99 413 5/8	2900196	12.5 - 13.5	.495 - .535	
RAV 99 414 5/8	2900197	13.5 - 14.5	.535 - .570	
RAV 99 413 3/4	2900198	12.5 - 13.5	.495 - .535	
RAV 99 414 3/4	2900199	13.5 - 14.5	.535 - .570	
RAV 99 415 3/4	2900200	14.5 - 15.5	.570 - .610	3/4" 5/8"
RAV 99 416 3/4	2900201	15.5 - 16.5	.615 - .650	
RAV 99 417 3/4	2900202	16.5 - 17.5	.650 - .695	
RAV 99 418 3/4	2900203	17.5 - 18.5	.695 - .730	
RAV 99 415 7/8	2900204	14.5 - 15.5	.570 - .615	
RAV 99 416 7/8	2900205	15.5 - 16.5	.615 - .650	
RAV 99 417 7/8	2900206	16.5 - 17.5	.650 - .695	
RAV 99 418 7/8	2900207	17.5 - 18.5	.695 - .730	7/8" 3/4"
RAV 99 419 7/8	2900208	18.5 - 19.5	.730 - .770	
RAV 99 420 7/8	2900209	19.5 - 20.5	.770 - .815	
RAV 99 421 7/8	2900210	20.5 - 21.5	.815 - .850	

RAV Collars



Tube OD	Description	Part Number	Collar ID	Collar OD	
1/2" (12.7mm)	RAV 99 316	2900176	.630"	16mm .865"	22mm
5/8" (15.8mm)	RAV 99 319	2900177	.750"	19mm .985"	25mm
3/4" (19.0mm)	RAV 99 323	2900178	.905"	23mm 1.140"	29mm
7/8" (22.2mm)	RAV 99 326	2900179	1.025"	26mm 1.260"	32mm
1" (25.4mm)	RAV 99 329	2900180	1.140"	29mm 1.375"	35mm
1-1/8" (28.5mm)	RAV 99 332	2900181	1.260"	32mm 1.495"	38mm
1-1/4" (31.7mm)	RAV 99 335	2900182	1.375"	35mm 1.610"	41mm
1-3/8" (34.9mm)	RAV 99 339	2900183	1.530"	39mm 1.770"	45mm
1-1/2" (38.1mm)	RAV 99 345	2900184	1.770"	45mm 2.005"	51mm
1-3/4" (44.4mm)	RAV 99 351	2900185	2.005"	51mm 2.240"	57mm
2" (50.8mm)	RAV 99 358</				