

## ACP – Automatic, continuous tube pulling

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The KRAIS ACP is an automatic tube pulling system consists of a very fast pump and pulling gun. It is designed for continuous removal of tubes from boilers, condensers and heat exchangers.

Automation provides significant time savings compared to conventional systems. Tubes can be continuously pulled from between 16 mm (5/8") OD and 63 mm (2,5") OD. A choice of super heavy duty 17, 36 and 45 Ton pulling gun options are available.

The basic version ACP is a fully hydraulic system - it guarantees safety and eliminates the need for electric wires between the pump and the gun. ACP is also available with a choice of the electric or pneumatic drive for use in potentially explosive environments.

### ADVANTAGES OF KRAIS ACP

- 】 tubes extraction takes place without damaging the tube sheet,
- 】 hydraulic RAM ensures smooth and stable operation,
- 】 automatic switching from low pressure to high depending on the RAM demand,
- 】 high power translates into a short duration of the extraction cycle,
- 】 the possibility of using different pulling guns with the same pump,
- 】 compact design, short installation time and ease of use.



PULLING GUN	POWER	PULLING STROKE		PULLING SPEED		TUBE OD [MM]		TUBE OD [INCH]		WEIGHT
		[MM]	[INCH]	[M/MIN]	[INCH/MIN]	MIN	MAX	MIN	MAX	
ACTP-17	17 ton	150	6"	7	275	12,7	25,4	1/2"	1"	34 kg
ACTP-36	36 ton	150	6"	3,5	137	15,9	38,0	5/8"	1-1/2"	64 kg
ACTP-45	45 ton	100	4"	1,5	60	38,0	63,0	1-1/2"	2-1/2"	83 kg

### PUMP CHOICE



ACTP is available with a choice of electric or pneumatic drive for use in potentially explosive environments.

### EASY TO USE CONNECTORS



Pumps for ACTP are equipped with convenient meters and connectors with easy and convenient access. All parts are made with high attention to details.

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### CONSUMABLES FOR ACPG-4 (4 TON)

TUBE OD [INCH] [MM]	BWG	PULLING SPEAR	PULLING JAWS	FRONT SPRING	HOLD JAWS	BACK SPRING
5/8" 15,88	13-16	K-6011	K-3031	K-0302	K-3031	K-0301
	18-24	K-6012				
	10-12	K-6020				
3/4" 19,05	13-16	K-6021	K-3041	K-0302	K-3041	K-0301
	18-24	K-6022				
	10-12	K-6030				
7/8" 22,23	13-16	K-6031	K-3046	K-0302	K-3046	K-0301
	18-24	K-6032				
	10-12	K-6040				
1" 25,4	13-16	K-6041	K-3051	K-0302	K-3051	K-0301
	18-24	K-6042				

### CONSUMABLES FOR ACPG-17 (17 TON)

TUBE OD [INCH] [MM]	BWG	PULLING SPEAR	PULLING JAWS	FRONT SPRING	HOLD JAWS	BACK SPRING
5/8" 15,88	13-16	K-6011	K-3032	K-0302	K-3031	K-0301
	18-24	K-6012				
	10-12	K-6020				
3/4" 19,05	13-16	K-6021	K-3042	K-0302	K-3041	K-0301
	18-24	K-6022				
	10-12	K-6030				
7/8" 22,23	13-16	K-6031	K-3047	K-0302	K-3046	K-0301
	18-24	K-6032				
	10-12	K-6040				
1" 25,4	13-16	K-6041	K-3052	K-0302	K-3051	K-0301
	18-24	K-6042				



### CONSUMABLES FOR ACPG-36 (36 TON)

TUBE OD [INCH] [MM]	BWG	PULLING SPEAR	PULLING JAWS	FRONT SPRING	HOLD JAWS	BACK SPRING
5/8" 15,88	13-16	K-6011	K-3030	K-0303	K-3032	K-0303
	18-24	K-6012				
	10-12	K-6020				
3/4" 19,05	13-16	K-6021	K-3040	K-0303	K-3042	K-0303
	18-24	K-6022				
	10-12	K-6030				
7/8" 22,23	13-16	K-6031	K-3045	K-0303	K-3047	K-0303
	18-24	K-6032				
	10-12	K-6040				
1" 25,4	13-16	K-6041	K-3050	K-0303	K-3052	K-0303
	18-24	K-6042				
	10-12	K-6060				
1-1/4" 31,75	13-16	K-6061	K-3070	K-0303	K-3072	K-0303
	18-24	K-6062				
	10-12	K-6070				
1-1/2" 38,10	13-16	K-6071	K-3090	K-0303	K-3092	K-0303
	18-24	K-6072				

### CONSUMABLES FOR ACPG-45 (45 TON)

TUBE OD [INCH] [MM]	BWG	PULLING SPEAR	PULLING JAWS	SPRING	HOLD JAWS
1-1/2" 38,10	10-12	K-6070	K-3210	K-2321	K-3211
	13-16	K-6071			
	18-24	K-6072			
1-3/4" 44,45	10-12	K-6080	K-3215	K-2321	K-3216
	13-16	K-6081			
	18-24	K-6082			
2" 50,8	7-8	K-6090	K-3220	K-2321	K-3221
	10-12	K-6091			
	13-16	K-6092			
2-1/4" 57,1	10-12	K-7000	K-3230	K-2321	K-3231
	13-16	K-7001			
	18-24	K-7002			
2-1/2" 63,5	10-12	K-7010	K-3240	K-2321	K-3241
	13-16	K-7011			
	18-24	K-7012			