



AJCE Hydraulic Breakers

“The machine never tells a lie!”

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The product range of AJCE hydraulic breakers is very wide. With 18 different models, we are able to offer a solution for any class of excavator. Small range hydraulic breakers are suitable for excavators from 0,8 to 7 ton.

MODEL		INWARD VALVE TYPE					
		SMALL RANGE					
DESCRIPTION		100M	200M	300M	350M	400M	
Tool Diameter	mm	40	45	53	60	68	
	Inch	1,6	1,8	2,1	2,4	2,7	
Weight of Main Body	kg	57	71	86	139	164	
	lb	127	157	189	362	362	
Operating Weight (With Tool)	Top Type	kg	106	131	159	235	308
		lb	234	289	350	518	678
	Box Type	kg	101	125	151	224	293
		lb	223	276	333	494	646
	Side Type	kg	104	129	156	232	302
		lb	229	284	343	511	665
Impact Rate		bpm	800~1300	700~1200	600~1100	590~1000	500~950
Operating Pressure		psi	1280~1700	1280~1700	1280~1700	1350~1900	1350~1900
		bar	90~120	90~120	90~120	100~130	100~130
Required Oil Flow		l/min	15~30	20~40	26~41	30~60	30~45
		gal/min	4~8	5~10	7~11	8~12	8~12
Hose Diameter		inch	1/2	1/2	1/2	1/2	1/2
Applicable Carrier		ton	0,8~2,5	1,2~3,0	3,0~4,5	3,0~5,5	4,0~7,0



Inward valve type hydraulic breakers are designed for reliable operations and high efficiency. Due to its simple and unique design there are fewer components and therefore it requires less maintenance. For mid-size and large-size breakers, we advise to use automatic greasing kit. The kit is available as an option or free order.

MODEL		INWARD VALVE TYPE								
		MEDIUM RANGE				LARGE RANGE				
DESCRIPTION		430M	450M	500M	600M	710M	810M	1200M	1300M	
Tool Diameter	mm	75	85	100	125	135	140	155	165	
	Inch	3,0	3,4	4,0	5,0	5,4	5,6	6,2	6,6	
Weight of Main Body	kg	203	282	472	582	694	837	1157	1246	
	lb	448	622	1041	1283	1530	1845	2551	2747	
Operating Weight (With Tool)	Top Type	kg	392	597	902	1360	1573	1851	2760	2972
		lb	863	1317	1988	2998	3468	4081	6086	6551
	Box Type	kg	373	569	859	1295	1498	1763	2629	2830
		lb	822	1254	1894	2855	3302	3887	5796	6239
	Side Type	kg	384	586	885	1334	1543	1816	2708	2915
		lb	847	1292	1951	2941	3402	4003	5970	6426
Impact Rate	bpm	450~800	400~800	350~700	350~650	350~600	350~500	300~450	250~400	
Operating Pressure	psi	1710~2030	1850~2140	2130~2420	2130~2420	2280~2560	2280~2560	2280~2560	2280~2560	
	bar	120~140	130~150	150~170	150~170	160~180	160~180	160~180	160~180	
Required Oil Flow	l/min	40~80	45~85	80~110	90~120	125~150	125~150	170~230	180~240	
	gal/min	10~20	12~22	21~29	24~35	33~40	33~40	43~57	45~60	
Hose Diameter	inch	3/4	3/4	3/4	1	1	1	1 1/4	1 1/4	
Applicable Carrier	ton	5,0~9,0	6,0~11,0	10,0~15,0	11,0~18,0	16,0~22,0	16,0~25,0	25,0~35,0	30,0~45,0	

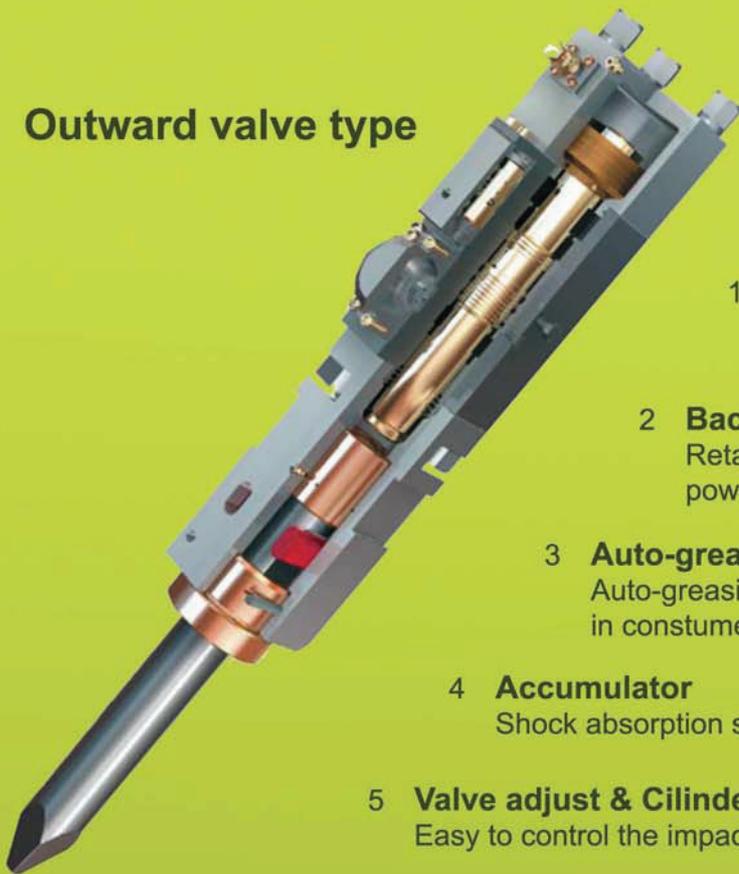


Design of the outward valve type is very similar to the inward valve type hydraulic breaker. By placing the valve assembly outside the cylinder, we have made the valve more accessible. This will easen maintenance works on the valve. All our big-size breakers are suitable for underwater works.

MODEL		OUTWARD VALVE TYPE					
DESCRIPTION		180F	280F	380F	480F	580F	
Tool Diameter	mm	120	135	150	160	180	
	Inch	4.8	5.4	6.0	6.4	7.2	
Weight of Main Body	kg	560	772	967	1262	1685	
	lb	1235	1702	2132	2782	3715	
Operating Weight (With Tool)	Top Type	kg	1259	1723	2265	2789	3910
		lb	2775	3799	4993	6148	8620
	Box Type	kg	1199	1641	2157	2656	3724
		lb	2643	3618	4755	5855	8210
	Side Type	kg	1235	1690	2222	2736	3836
		lb	2723	3726	4898	6031	8456
Impact Rate	bpm	400~700	350~500	300~450	250~400	250~350	
Operating Pressure	psi	2170~2460	2320~2610	2320~2610	2320~2610	2320~2610	
	bar	150~170	160~190	160~190	160~190	160~190	
Required Oil Flow	l/min	90~120	125~150	160~180	180~240	200~260	
	gal/min	24~32	33~40	43~51	45~65	50~65	
Hose Diameter	inch	1	1	1	1 1/4	1 1/4	
Applicable Carrier	ton	11.0~18.0	16.0~22.0	25.0~35.0	30.0~45.0	40.0~55.0	

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Outward valve type



1 Air-check valve

Being on the top location enables operators to do underwater hammering.

2 Back head

Retaining the nitrogen gas pressure and the powerful stroke.

3 Auto-greasing hole

Auto-greasing device is available to be attached in consumer's requirement.

4 Accumulator

Shock absorption system enhances the durability

5 Valve adjust & Cilinder adjust

Easy to control the impact power and speed

6 Cylinder

Heart of the breaker containing hydraulic circuit for piston reciprocation.

7 Piston

Made by quality material, accumulated heat treatment know-how and Korean No.1 manufacturing technology.

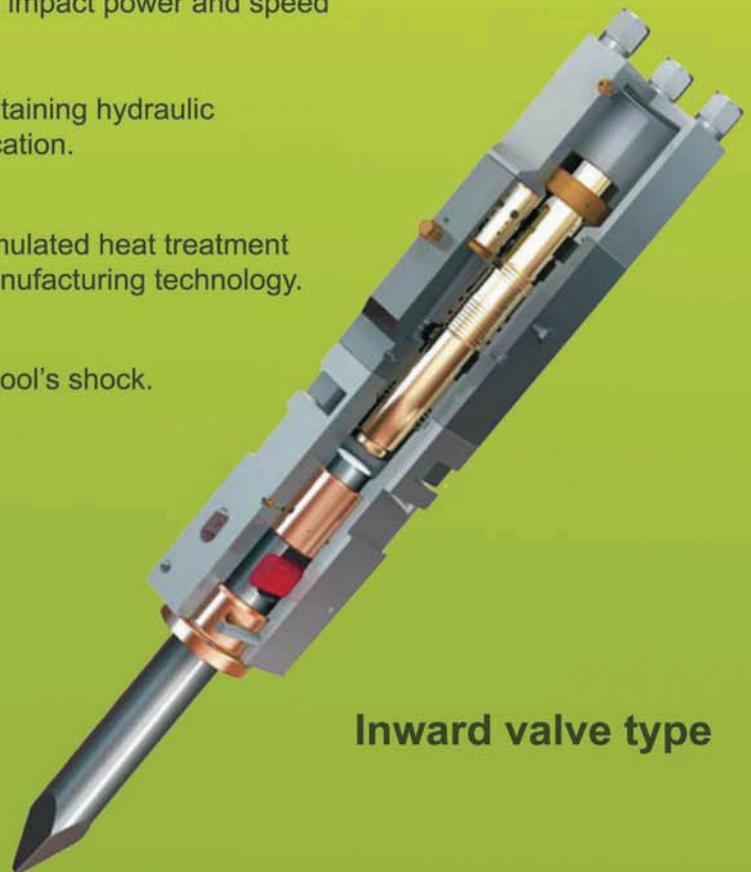
8 Front head

Protecting the whole breaker from the tool's shock.

9 Tool

The specially heat-treated tool is directly applied to break rocks.

Inward valve type



-  **Moil point (Pyramid Point)**
-  **Wedge (Chisel)**
-  **Blunt (Flat-end)**
-  **Cone**

AJCE hydraulic breakers are designed and manufactured with simplicity according to the highest technological standards. All parts are manufactured under our own supervision in South-Korea. We use 100% original Korean steel for the fabrication of our breakers. The factory is equipped with the most modern CNC precision machines for processing high quality steel. This results in products of highest and constant quality, fast after-sales service, high efficiency and competitive prices.

Factory



Spare Parts



Hydraulic breaker, that is our power! Not only do we have the most competitive prices, we are also offering our technological knowledge. The hydraulic breakers are not keeping any secrets from us.

Over the years AJCE has taken a leading role in the field of hydraulic breakers. AJCE Europe is responsible for European market. From our stock in Netherlands we are able to supply hydraulic breakers and spare parts. Thanks to our reliable services, we were able to established long term relations with our clients throughout Europe.

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