



# HIGH PRESSURE HYDRAULIC EQUIPMENT

Single Acting Cylinders  
Hand Pumps, Air & Electric Pumps  
System Components



- ✓ 700 bar maximum operating pressure
- ✓ Safety, Serviceability & Warranty

- ✓ Low-height, low profile cylinders for use in confined spaces
- ✓ Hollow piston cylinders for push and pull applications

## SM

### SINGLE ACTING SPRING RETURN CYLINDERS



Capacity		Stroke	LARZEP Model	Closed Height
ton	kN	mm		(A) mm
10	109	54	SM01005	121
		105	SM01010	172
		155	SM01015	247
23	228	51	SM02305	166
		102	SM02310	217
		159	SM02315	277
50	487	60	SM05006	176
		102	SM05010	227
		160	SM05016	285
100	911	150	SM10015	300

'A' refers to the Closed Height in all cylinders.

## SH

### SINGLE ACTING HOLLOW PISTON CYLINDERS, SPRING RETURN



Capacity		Stroke	LARZEP Model	Closed Height
ton	kN	mm		(A) mm
22	217	50	SH02205	165
30	302	64	SH03006	197
60	578	76	SH06008	223
100	1019	80	SH10008	282

## SMP

### SINGLE ACTING LOW-HEIGHT CYLINDERS, SPRING RETURN



Capacity		Stroke	LARZEP Model	Closed Height
ton	kN	mm		(A) mm
10	109	40	SMP01004	89
20	214	40	SMP02004	101
30	303	60	SMP03006	125
50	486	60	SMP05006	125
100	911	60	SMP10006	141

## SMX

### SINGLE ACTING LOW PROFILE CYLINDERS, SPRING RETURN



Capacity		Stroke	LARZEP Model	Closed Height
ton	kN	mm		(A) mm
10	100	11	SMX01011	43
22	228	11	SMX02211	52
30	287	13	SMX03013	59
50	487	16	SMX05016	68

## W, WA

### HYDRAULIC HAND PUMPS FOR SINGLE ACTING CYLINDERS



W = steel hand pump;  
WA = aluminium hand pump.

Usable Oil	LARZEP Model	Oil Displacement per stroke (cm <sup>3</sup> )	
		20 bar	700 bar
640	W10607	-	3,2
640	W20807	13	2,8
1800	W21807	13	2,8
2600	W22607	46	4,0
810	WA21107	15	3,1

## AP, AV, AZ

### ACCESSORIES AND SYSTEM COMPONENTS



LARZEP Model	System Components, maximum pressure: 700 bar
AP2020	Hose 2 m, 2 x 3/8" NPT, ID ø 6,4 mm
AP2030	Hose 3 m, 2 x 3/8" NPT, ID ø 6,4 mm
AV10007	Pressure Gauge, max. 1000 bar, 1/4" NPT, ø 63 mm
AZ1502	Gauge Adaptor, 2x 3/8" NPT + 1/4" NPT
AZ1604	Manifold, ø 82 mm, 5x 3/8" NPT + 3/8" BSP
AZ3120	Male coupler 3/8" NPT
AZ3140	Female coupler 3/8" NPT
AZ5121	Flow control + Load Holding Valve 3/8" NPT
AZ5122	Manifold + 2x flow regulating valves 3/8" NPT
AZ5200	Manually Operated Check Valve 3/8" NPT

## Z

### AIR HYDRAULIC PUMP FOR SINGLE ACTING CYLINDERS



Usable Oil	LARZEP Model	Flow Rate at 700 bar	Air Consumption *
litres		l/min	N l/min
2,1	Z12107	0,14	400

\* Air Pressure: 2,8 - 10 bar

## HBM

### HYDRAULIC ELECTRIC PUMPS FOR SINGLE ACTING CYLINDERS



Tank Size	LARZEP Model	Flow Rate l/min		Motor
litres	3/3 valve *	50 bar	700 bar	V - ph - Hz
8,5	HBM3326	5,90	0,54	115 - 1 - 60
5,0	HBM7226	4,00	0,36	115 - 1 - 60
8,5	HBM3321	5,90	0,54	230 - 1 - 50
5,0	HBM7221	4,00	0,36	230 - 1 - 50

\* Manual valve: advance - hold - retract.