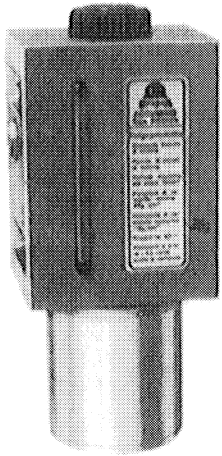
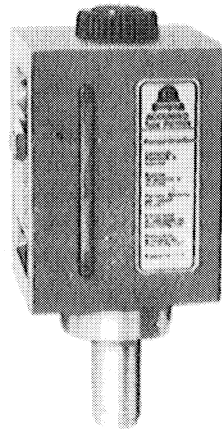


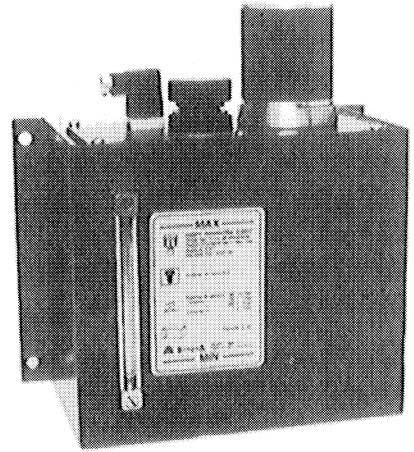
PNEUMATICALLY - HYDRAULICALLY OPERATED PUMPS FOR OIL



Part No. 3103010



Part No. 3107006



Part No. 3103017

Robustly constructed pumps, with high duty light alloy piston. The reservoir is made from die-cast light alloy. The pumping unit consists of a cylinder and piston with an oil resistant seal. The piston has a return spring.

The pump should be controlled by a mechanically or solenoid operated 3-port valve. The operating impulse must not be less than three seconds.

Pressure release (in the discharge position) should not be less than ten seconds.

The effective delivery is the total value of the valves in the system. The expansion of the hoses in the system reduces the effective delivery.

Part No.	Operating pressure				Delivery per stroke c.c.		Res. cap. Ltr.	Ratio	Outlet pos.	Min. level control.	Weight Kg.	System	Dimensions	
	air	oil	min.	max.	max.	effect.							Page.	Fig.
3103010	*		4	7	7,5	3,5	0,8	8,5/1	RH-LH		1,8	04	34	8
3103011	*		4	7	7,5	3,5	1,5	8,5/1	RH-LH	*	4,0	04	35	10
3103017	*		4	7	7,5	3,5	6,0	8,5/1	_	*	8,0	04	35	16
3103001	*		4	7	15	7,5	0,4	4/1	RH-LH		2,26	06	34	7
3103002	*		4	7	15	7,5	0,8	4/1	RH-LH		2,48	06	34	8
3103015	*		4	7	15	7,5	1,5	4/1	RH-LH	*	4,0	06	35	10
3103018	*		4	7	15	7,5	6,0	4/1	_	*	8,0	06	35	16
3103006	*		4	7	30	15	1,5	4/1	RH-LH		4,0	06	34	9
3103019	*		4	7	30	15	6,0	4/1	_	*	6,0	06	35	16
3103029	*		4	7	30	15	1,5	4/1	RH-LH	*	4,0	06	34	9
3107006		*	40	150	7,5	3,5	0,8	1/2	RH-LH		2,0	04/06	35	14
3107000		*	15	30	15	7,5	0,4	1/1	RH-LH		1,54	06	35	11
3107001		*	15	30	15	7,5	0,8	1/1	RH-LH		1,78	06	35	12
3107002		*	15	30	30	15	1,5	1/1	RH-LH		2,95	06	35	13

For dimensions refer to Fig's. 7 to 12 and 16.