

OIL TRANSFER PRESSURE UNITS

RL ONE PUMP - RL ZW TWO PUMPS

Ring Transfer for B100

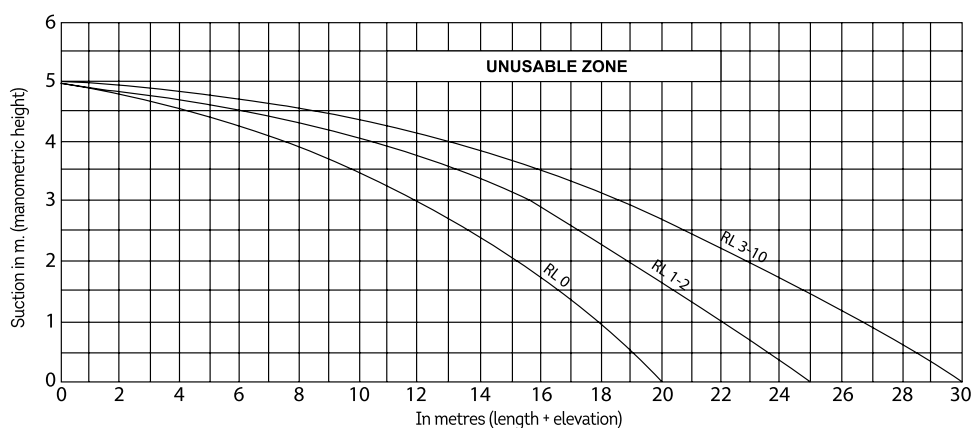
MODEL		RL 0	RL 1	RL 2	RL 3	RL 4	RL 5	RL 6	RL 7	RL 8	RL 9	RL 10
MAX.FLOW	l/h	100	260	460	900	1400	2100	3400	5300	7500	10500	12000
SUPPLY FLOW	l/h	65	150	300	600	900	1400	2300	3600	4900	7000	8000
SUPPLY VOLTAGE	VOLTS	400*	400	400	400	400	400	400	400	400	400	400
MOTOR POWER	KW	0,25	0,25	0,25	0,55	0,55	2,2	3	3	4	4	4
	C.V.	1/3	1/3	1/3	3/4	3/4	3	4	4	5,5	5,5	5,5
MOTOR	r.p.m	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
CONNECTION TO THE HYDRAULIC CIRCUIT (Ø THREAD / Ø MM)	SUCTION	DN 20	DN 25	DN 25	DN 32	DN 32	DN 50	DN 50	DN 50	DN 40	DN 40	DN 65
	DRIVE	DN 20	DN 25	DN 25	DN 32	DN 32	DN 50	DN 50	DN 50	DN 40	DN 40	DN 50
	OVERPRESSURE	1/2" iG	3/4" iG	3/4" iG	1" iG	1" iG	DN 40	DN 40	DN 40	DN 40	DN 40	DN 40
SECURITY VALVE OPENS AT:	bar	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8	5-8
MAX. SUCTION	m	5	5	5	5	5	5	5	5	5	5	5
MOTOR PROTECTION	IP	55	55	55	55	55	55	55	55	55	55	55

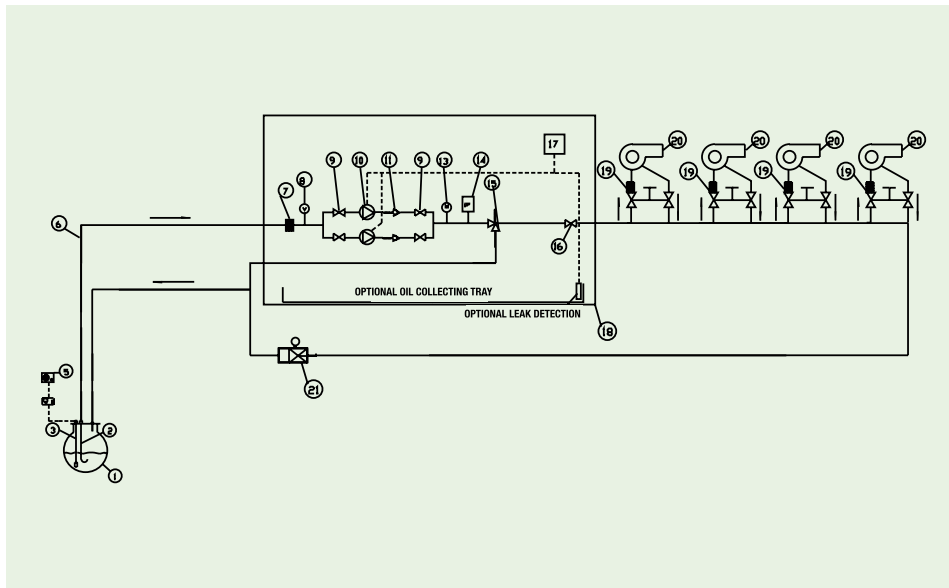
- (*) There is a 230 single-phase version (W)
- Threaded Flanges DIN 2566

MODEL	RL 0		RL 1		RL 2		RL 3		RL 4		RL 5		RL 6		RL 7		RL 8		RL 9		RL 10	
	N	ZW	N	ZW	N	ZW	N	ZW	N	ZW	N	ZW	N	ZW	N	ZW	N	ZW	N	ZW	N	ZW
A	595	870	595	870	595	870	870	890	870	890	1200	1300	1200	1300	1200	1300	1200	1300	1200	1300	1200	1300
B	575	720	575	720	575	720	720	790	720	790	1000	1000	1000	1000	1000	1000	1100	1100	1100	1100	1100	1100
C	240	300	240	300	240	300	300	350	300	400	500	850	500	850	500	850	500	850	500	850	500	850
APPROX. WEIGHT. (kg)	15	32	17	36	17	36	29	73	35	84	100	130	105	135	110	145	120	150	125	155	130	165

B30 - B100

SUCTION DIAGRAM





1. Main storage tank
2. Suction pipe
3. Level gauge probe
4. EDM-40 level gauge indicator
5. Overfill safety system
6. Intake pipe
7. Filter
8. Vacuum gauge
9. 4 Non-return valve
10. 2 Electric gear pumps
11. Pressure gauge
12. Low level pressure switch
13. Conducted escape safety valve
14. Quick shutoff valve
15. Electric control system with timer
16. Degassing bottle
17. Quick shutoff valve
18. Burner
19. Aluminium selfclean filter
20. Overflow valve

Contents list for RL Transfer Ring System One Pump Versions

Motor, flange, clutch, coupling, gear pump, filter, vacuumeter, pressure gauge, pressure switch, security for pipe breaking or no fuel failure, motor protection with contactor, main switch, failure indicator, time delay pressure switch control for first runnings, overpressure security valve, flange or G inside tread connection to hydraulic circuit, free relay connections for failure signals out of the RL pump. All ready, mounted, fixed and electrically connected in wall plate. RL 5 and above in angle workframe.

Additionally, in Two Pumps versions:

Motor, flange, clutch, coupling, gear pump, Motor protection with contactor, alternating motor steering in time swap over. "IM" system to stop pumps when all burners are off is included (optional for RL-one pump).

Special Non-Ferrous metal free versions upon request.

Reference mark:

To maintain security disposals from DIN norm, the pressure regulation valve must be placed in the return pipe to tank in proximity to the tank.

Accessories and adaptations

- IM system to stop pumps when all burners are off (optional for RL-N)
- Free voltage relay output to control from centralised Building Management System, in kit 3, 4 or 6 signals (2-thermal, motors 1 or 2 ON, low pressure and Leak safety ON).
- GSM alarm system by SMS messages, or connection to modem.
- Adaptation of Pressure Group for high pressure, working conditions of up to 6,5 Kg/cm²
- Leak collector trays with infrared detectors (standard in RL-4 and above).
- Modifications to adapt to specifically regulated environments (tropicalised equipment or ATEX.)
- Solenoid valves with flow limiters, to automate filling in supply tanks for electrical generators.
- Soundproof sheet cabinets with UNE-25 poly-pyramid foam and lock. Manufactured with no back and made-to-measure for each Pressure Group model.
- Assembly of Pressure Groups in IP-55 cabinets for outdoor installation with exterior suction and drive pipe couplings, electric connection presses and ventilation grills.
- Line pressure switch to signal low pressure.
- Power supply failure safety system (timer deferred low pressure stop.)



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