

SUMMARY TABLES

Valve setting summary table

ABBREVIATION	NAME	PRESSURE kg/cm ²
- V.G.C.	GENERAL LOADER VALVE (on distributor)	230
- V.A.B.C.F.	LOADER BUCKET ANTI-SHOCK VALVE (end-plate side)	300 *
- V.A.B.C.A.	LOADER BUCKET ANTI-SHOCK VALVE (rod side)	240 *
- V.A.S.C.	LOADER LIFT ANTI-SHOCK VALVE (end-plate side)	300 *
- V.G.I.	GEN. HYDRAULIC POWER STEERING VALVE	175
- V.A.I.	HYD. POWER STEERING ANTI-SHOCK VALVE	240 *
- V.P.E.T.I.	HYDROSTATIC TRANSMISSION OPERATING PRESSURE VALVE	460±5 bar with engine at 2200±25 RPM
- V.T.I.	SAFETY VALVE	490
- V.S.T.I.	HYDROSTATIC TRANSMISSION SUPERCHARGER	30±1 bar with engine at 2200±25 RPM
-	HYDROSTATIC MOTOR ADJUSTMENT START PRESSURE	280±5
	VALVE DIAPHRAGM	Ø
	PUMP CASING PRESSURE 60°	
	HYDRAULIC SYSTEM VACUUM PRESSURE	MAX 8

Note: Valves having pressure values marked with an asterisk (*) should be tested on inspection bench. Pressure values refer to a flow rate of 2÷3 litres.

Diesel engine revs	2200 loaded	2360 load-free
Cardan shaft revs	1st 600 2nd 925	3rd 1030 4th 2580
Valve of 4 : 1 equipment		
Revs (stall status): n° 2 RPM 2200 - 2300		
Note: Setting values, where not specified, must be considered with a tolerance of ± 5 bar		

The Company declines all liabilities for damages due to any valve tampering. Therefore all work on the valves must be carried out by authorised personnel only.

Tightening torque table

SCREW CLASS		SCREW DIAMETER									
ISO	DIN	M 12	M 14	M 16	M 18	M 20	M 22	M 24	M 27	M 30	M 33
8.8	8 G	7	12	18	26	33	44	57	80	105	145
10.9	10 K	8.5	15	22	32	41	53	69	100	127	175
12.9	12 K	10	18	26	38	49	63	82	115	150	205

Assembly notes

- The screws must be lubricated with engine oil.
- Should one or more screws be fixed, tightening must be progressive and alternate until desired torque is achieved.
- Whenever flat washers are required, use steel washer with a minimum strength of 80 kg/mm² only.



Draught must be carried on the screwhead 784±30 Nm (80±3 Kgm)

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