GENESIS®
The Promise of Performance.

Maintenance Minute

GXP Hydraulic/Rotation Maintenance

HYDRAULIC REQUIREMENTS

Operating the shear below the recommended flow and/or pressure range will adversely affect performance and may damage the rotate motor.

Operating the shear above the recommended flow and/or pressure range may damage the shear and its hydraulic components.

Model	Flow	Pressure
200	40-60 GPM 151-227 LPM	4500-5500 PSI 310-380 Bar
300	60-90 GPM 227-340 LPM	
400	75-110 GPM 284-416 LPM	
500	85-125 GPM 322-473 LPM	
660 & 700	105-155 GPM 397-587 LPM	
990 & 1000	150-190 GPM 568-719 LPM	
1200	175-240 GPM 662-908 LPM	
1500	180-250 GPM 681-946 LPM	
2500	245-320 GPM 927-1211 LPM	

ROTATION VALVE INPUT

For cooler and more efficient hydraulic system operation, set the input pressure as indicated in the chart below. The maximum case drain measured at the shear while rotating and cycling the jaws must never exceed 80 PSI. Pressure increases during cold-weather operation.

Model	Flow	Pressure
200 & 300	3-5 GPM 11-19 LPM	1500-1700 PSI 103-117 Bar
400 - 660	7-11 GPM 26-42 LPM	1800-2000 PSI 125-138 Bar
700 - 1000	8-12 GPM 30-45 LPM	
1200 & 1500	12-18 GPM 45-68 LPM	
2500	30-45 GPM 114 - 170 LPM	

ROTATION VALVE SETTINGS

When checking the crossover relief valve settings, put pressure gauges on both diagnostic ports. Stall shear rotation in clockwise direction. Increase supply pressure until pressure at gauge on crossover stops rising. This is the crossover relief setting. Increase supply pressure to achieve approved crossover relief value. Repeat procedure in counter-clockwise direction. Then lower supply pressure back to approved value.

Model	Crossover Relief
200 & 300	2100 PSI 145 Bar
400 - 660	2200 PSI 150 Bar
700 - 1000	
1200 & 1500	
2500	

This document is a quick reference only. It does not replace the product safety and operator's manuals, which must be followed by all operators and maintenance personnel.

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