


Accumulator Precharge Pressure Check

The Vektek accumulator helps to compensate for minor hydraulic pressure losses, and fluctuations in ambient temperatures. It also aids in preventing pump motor over runs in lower volume circuits.

The following check should be done, at minimum, on an annual basis. It should be done sooner if pressure fluctuations are observed in the clamping circuit.

1. Install the accumulator in a hydraulic circuit that has a control valve that can be used to initiate and regulate a system pressure drop.
2. Pressurize the circuit to its normal operating pressure.
3. Shut off power to the hydraulic power supply while maintaining pressure to the circuit.
4. Initiate the pressure drop with the control valve. Slowly open the valve until the pressure gauge indicates a slow, steady pressure loss. At this point, do not open the valve farther.
5. Observe the gauge as the pressure drops. The pressure should drop at a slow constant rate to a pressure point that is equal to the accumulator precharge pressure. Upon reaching this point, the pressure will drop rapidly to zero.
6. If the precharge pressure is not within the accepted range(see table below), call Vektek, Inc.(1-913-365-1045) for authorization to return the accumulator for service or repair.

	Circuit Pressure	Accumulator Precharge
psi	2000-5000	1100-1900
	1000-3500	550-950
	300-1450	225-275
bar	140-350	75-125
	70-250	38-63
	20-100	15-19

INSTALLATION INSTRUCTIONS	 VEKTEK, INC. 1334 E. SIXTH AVE. P.O. BOX 625 EMPORIA, KS. 66801 U.S.A.	
	ASSEMBLIES AFFECTED	ACCUMULATOR PRECHARGE
		PRESSURE CHECK
	SIZE A	REV C
	1S5600	

C	3138	RELEASE	MAJ	11/16/16
REV	IN ACCORDANCE WITH ECN	EFFECTIVE DATE	REVISED BY	DATE
DRW BY: MES	DRAWING STATUS: Released			
DATE: 01/01/06	PRODUCTION APPROVED FOR RELEASED STATUS ONLY			