

SOLENOID CONTROL VALVE,
EQUIPPED WITH MANUAL BYPASS VALVE
(SEA WATER FIRE DELUGE SERVICE)

<u> </u>			A		
DESIGN					
DRAW	EK	3-24-97			
CHK,D	СН	3-26-97			
AP√D	CH	3.	-26-97		

OPERATING DATA

I. SOLENOID CONTROL FEATURE:

SOLENOID CONTROL (2) IS A DIRECT ACTING, 3-WAY SOLENOID CONTROL THAT CHANGES POSITION WHEN THE COIL IS ENERGIZED OR DE-ENERGIZED. THIS APPLIES OR RELIEVES PRESSURE IN THE COVER CHAMBER OF AUXILIARY HYTROL (3) PROVIDING THE OPERATION SHOWN IN THE FOLLOWING TABLE:

		134E-60 SERIES		134D-60 SERIES	
SOLENOID CONTROL (2)		AUXILIARY HYTROL	MAIN VALVE	AUXILIARY HYTROL	MAIN VALVE
POSITION	PORTS CONNECTED	(3) POSITION	(1) POSITION	(3) POSITION	(1) POSITION
ENERGIZED	2 (A) & 1 (EA)	OPEN	OPEN	CLOSED	CLOSED
DE-ENERGIZED	2 (A) & 3 (IN)	CLOSED	CLOSED	OPEN	OPEN

NOTE:

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ORD - DO NOT REVISE MANUALLY DESCRIPTION

REMISION RECORD

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SOLENOID CONTROL (2) IS EQUIPPED WITH A MANUAL ACTUATOR WHICH CAN BE USED TO OPERATE THE SOLENOID WITHOUT ELECTRICAL POWER. AFTER MANUAL ACTUATION, ALWAYS RETURN THE ACTUATOR TO ITS ORIGINAL POSITION OR THE SOLENOID WILL NOT RETURN TO THE DE-ENERGIZED POSITION.

II. MANUAL BYPASS FEATURE:

OPEN CK2 COCK (5) TO BYPASS BOTH SOLENOID CONTROL (2) AND AUXILIARY HYTROL (3). THIS RELIEVES PRESSURE IN THE MAIN VALVE COVER, THEREBY, OPENING THE MAIN VALVE.

CK2 COCK (5) MUST BE CLOSE DURING NORMAL OPERATION.

			CVCL 1 ② 3 4	DIST CODE 002	SHEET 3 OF			
		E CLA-VAL CO.	NEWPORT BEACH, CALIFORNIA	CATALOG NO. 134-60	DRAWING NO. 28301	REV \triangle		
	TYPE OF V		•	1	DESIGN			
		TYPE OF VALVE AND MAIN FEATURES SOLENOID CONTROL VALVE,			DRAW EK	3-24-97		
	<u> </u>	EQUIPPED WITH			снко СН	3-26-97		
		(SEA WAIER FI	RE DELUGE SEF	(VICE)	APV0 CH	3-26-97		
	-							
		<u>(</u>	OPERATING DATA-C	CONTINUED				
	III. OPTIONAL FEATURE OPERATING DATA:							
	SUFFIX A (FLOW CLEAN STRAINER) A SELF-CLEANING STRAINER IS INSTALLED IN THE MAIN VALVE INLET BODY BOSS WHICH PROTECTS THE PILOT SYSTEM FROM FOREIGN PARTICLES.							
		SUFFIX F (INDEPENDENT PILOT SUPPLY PRESSURE IS O NOT SPECIFIED.) NOTE:	E IS OBTAINED FROB BTAINED FROM THE INDEPENDENT OPE	OM AN INDEPENDE MAIN VALVE INL ERATING PRESSUR	LET IF SUFFIX (RE MUST BE EC	(F) IS QUAL		
		SUFFIX H (ATMOSPHERIC D PILOT SYSTEM DRAIN LINE SYSTEM DRAIN LINE IS COI SUFFIX (H) IS NOT SPECIFI	IS DISCHARGED TO A	ATMOSPHERE. [PILE IN VALVE OUTLET E	OT 30SS IF			
		SUFFIX S (OPENING SPE FLOW CONTROL (S) CON TURN THE ADJUSTING S SLOWER.	ITROLS THE OPENIN	NG SPEED OF THE MAKE THE MAIN	E MAIN VALVE. I VALVE OPEN			
DAT		SUFFIX Y (Y-STRAINER)						
Æ		A Y-PATTERN STRAINER PROTECT THE PILOT SYS SCREEN MUST BE CLEAR	STEM FROM FOREIG	N PARTICLES. T				
	1	OUNCELL MOO. DE OLL.						
	17.	CHECK LIST FOR PROPE	R OPERATION:					
UALLY		() SYSTEM VALVES OP () AIR REMOVED FROM	EN UPSTREAM AND THE MAIN VALVE	DOWNSTREAM. COVER AND PILO	T SYSTEM AT	ALL		
ESCRIPTION		HIGH POINTS. () PERIODIC CLEANING () FLOW CONTROL VALV () CORRECT VOLTAGE	VE (S) OPEN AT LE	AST 1/4 TURN (C				
CAD REMSION RECORD - DESCRI								

134 Series Optional Electric Control Arrangements

