

SPECIFICATIONS:

- ° MAXIMUM PRESSURE RATING: 215 PSI (15 BAR)
- ° FLOW RATE: 11.7 GPM (44 l/min) @ 5 PSI (.34 BAR) PRESSURE DROP
- ° FLOW RATE: 16.5 GPM (63 l/min) @ 10 PSI (.69 BAR) PRESSURE DROP
- ° CURRENT DRAW: LESS THAN 0.5 AMP AT 12 VDC
- ° RESPONSE TIME: 0.6 SECONDS
- ° WETTED MATERIALS: POLYPROPYLENE, STAINLESS STEEL, VITON®, AND TEFLON®

FEATURES INCLUDE:

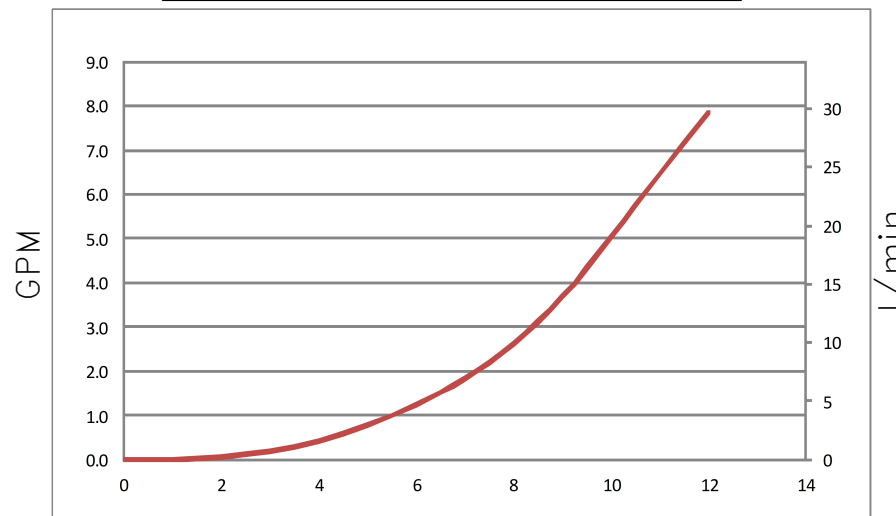
- ° REGULATED BYPASS FEATURE SIGNIFICANTLY IMPROVES PRESSURE STABILITY WHEN BOOM SECTIONS ARE SWITCHED ON OR OFF
- ° GRADUATED BYPASS PORT IS ADJUSTED TO MATCH BOOM SECTION FLOW WHICH REDUCES SYSTEM PRESSURE INCREASES AND DECREASED
- ° REGULATED BYPASS ALLOWS THE REGULATING VALVE TO MAINTAIN A MORE STABLE POSITION
- ° BYPASS PORT IS COMPATIBLE WITH EXISTING TEEJET QUICK CONNECT FITTINGS
- ° BUILT IN MINI-DIN CONNECTOR
- ° "EC" STYLE IS COMPATIBLE WITH AUTOMATIC BOOM SECTION CONTROLS
- ° MOTOR ASSEMBLY COMPLIES WITH IP69K RATING
- ° QUICK RELEASE MOTOR ASSEMBLY ALLOWS FOR FIELD INSPECTION AND MANUAL VALVE ACTUATION
- ° ALL METAL GEARS FOR STRENGTH AND DURABILITY
- ° RESETTABLE INTERNAL FUSE (DISCONNECT POWER FOR 20 SECONDS TO RESET)
- ° "EC" STYLE MOTOR USES A SINGLE POLE, SINGLE THROW SWITCH
- ° "E" STYLE MOTOR USED A DOUBLE POLE, DOUBLE THROW SWITCH
- ° STAINLESS STEEL STEM AND BALL PROVIDE EXCELLENT DURABILITY
- ° VALVE IS MOUNTED WITH 5/16" (8MM) BOLTS

OPERATION INFORMATION: ADJUSTING THE REGULATED BYPASS

- 1) ADJUST ALL METER BYPASS DIALS TO THE "ZERO" SETTING (TURN CLOCKWISE)
- 2) OPEN ALL SECTION VALVES, ALLOWING FLOW TO BOOM SECTIONS
- 3) NOTE THE CURRENT PRESSURE IN THE SYSTEM WITH ALL THE VALVE SECTIONS OPEN
- 4) TURN "ONE" VALVE SECTION OFF, ELIMINATING FLOW TO THAT BOOM SECTION
- 5) THIS SHOULD INCREASE THE PRESSURE IN YOUR SYSTEM. ADJUST THE BYPASS DIAL ON THE CLOSED VALVE SECTION UNTIL YOUR PRESSURE REFLECTS THE PRESSURE IN "STEP THREE"
- 6) INDIVIDUALLY REPEAT STEP "THREE" THRU "FIVE" FOR ALL OF YOUR VALVE SECTIONS

TEFLON® IS A TRADE MARK OF DUPONT COMPANY
 VITON® IS A TRADEMARK OF DUPONT DOW ELASTOMERS

REGULATED BYPASS FLOW RATES



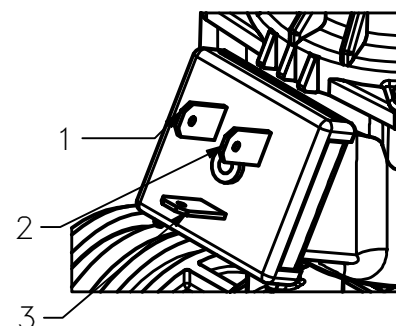
METER BYPASS DIAL POSITION

NOTE: APPROXIMATE FLOW RATE TABULATION BASED ON SPRAYING WATER AT 70° F. (21° C.) AND 40 PSI (2.8 BAR)

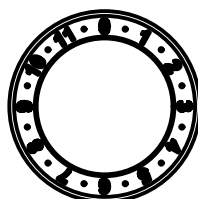
WIRING CHART

PIN	TERMINAL	WIRING "EC"	WIRING "E"
1		(+) POS.	(+) POS.
2		(-) NEG.	(-) NEG.
3		SWITCHING	GROUND

MINI-DIN WIRING

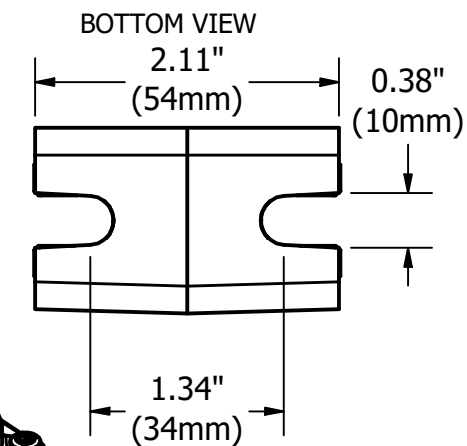


METER BYPASS DIAL



NOTE:
 CLOCKWISE = CLOSE
 COUNTER CLOCKWISE = OPEN

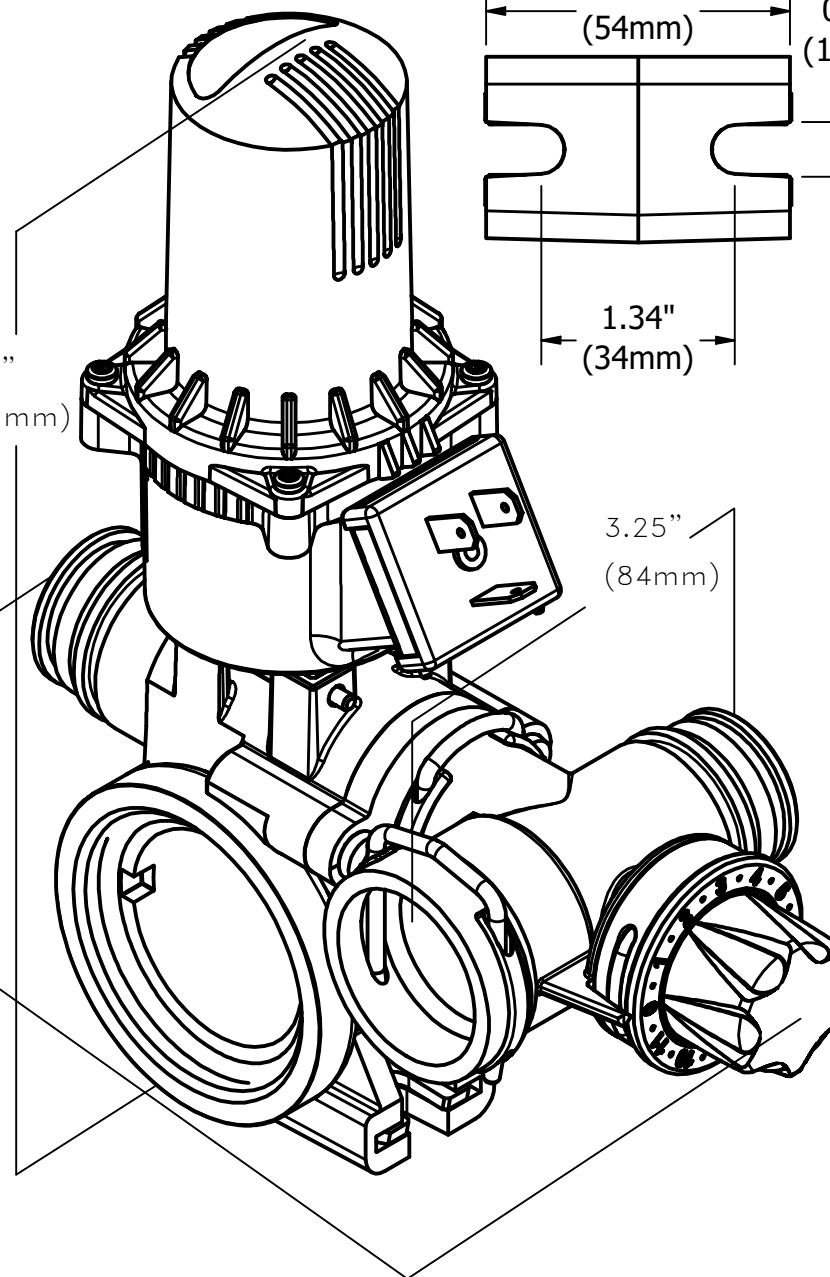
MOUNTING BRACKET SPECS:



8.71" (221mm)

3.25" (84mm)

7.00" (178mm)



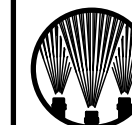
ORDERING INFORMATION:

433EC-3-D: 3 VALVE MANIFOLD, 3WAY REGULATED BYPASS VALVES, MINI-DIN CABLE CONNECTION, SINGLE POLE SINGLE THROW
 58480___-___-___: MINI-DIN CABLE (SEE DS58480)

NOTE: FOR COMPLETE ORDERING INFORMATION REFER TO BULLETIN LITJ-126. FOR INLET CONNECTIONS REFER TO PL58456. FOR OUTLET CONNECTIONS REFER TO PL45529. FOR A PARTS LIST & COMPLETE LIST OF REPLACEMENT PARTS REFER TO PL430EC-3.

DESCRIPTION:

**430EC AND 430E
 THREE WAY
 DIRECTOVALVE®
 ELECTRIC SHUT-OFF
 W/ REGULATED BYPASS**



Spraying Systems Co.®
 Spray Nozzles and Accessories
 P.O. Box 7900 - Wheaton, IL 60187-7901

REVISION NO. 2	DATA SHEET DS430EC-3	
REFERENCE: 4/15/26	SHEET: 1 OF 1	DWG SIZE: B