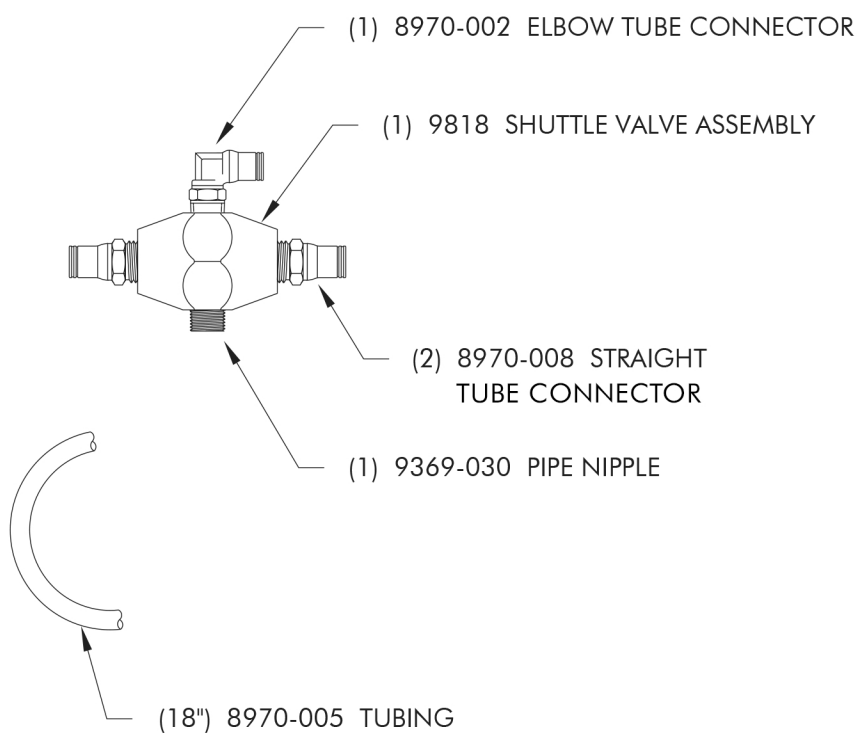
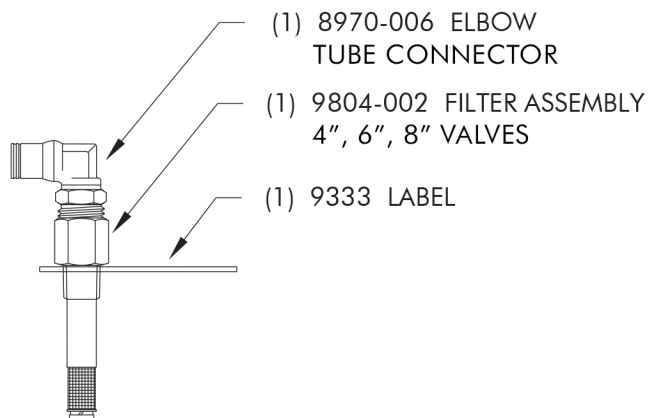


**#9368 D7 SHUTTLE CHECK VALVE KIT**

**CHECK VALVE WITH SOLENOID AND INTERNAL FILTER**

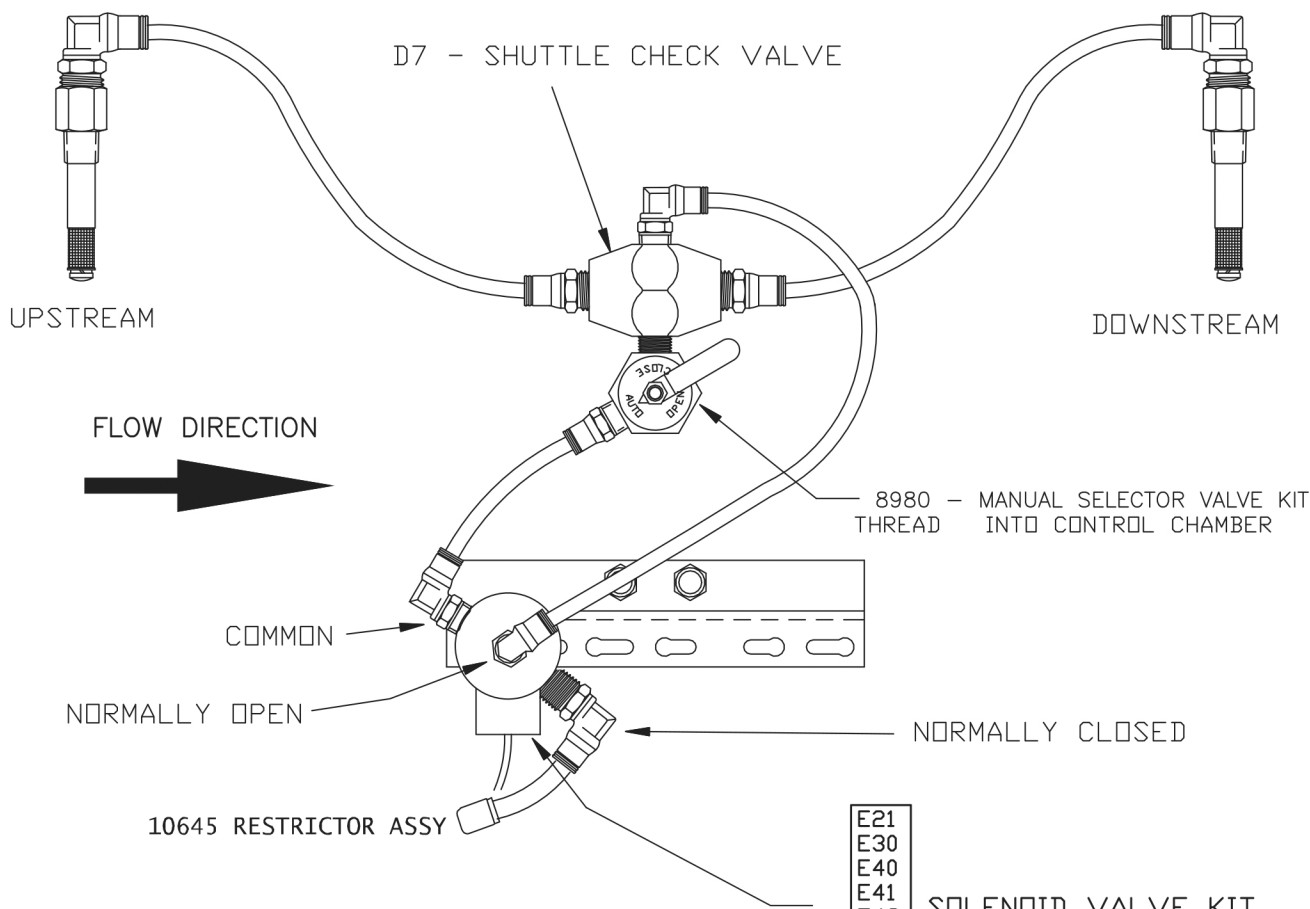
CLOSED: WHEN THE SOLENOID IS DE-ENERGIZED,  
UPSTREAM PRESSURE IS APPLIED TO THE CONTROL  
CHAMBER CLOSING THE MAIN VALVE.

OPEN: WHEN THE SOLENOID IS ENERGIZED,  
THE MAIN VALVE IS OPENED BY VENTING THE  
CONTROL CHAMBER TO ATMOSPHERE.

CHECK: IF DISCHARGE PRESSURE EXCEEDS THE INLET  
PRESSURE WITH THE SOLENOID DE-ENERGIZED, THE  
MAIN VALVE WILL CLOSE.

MODEL D7 H3

- E21
- E30
- E40
- E41
- E43
- E46
- E50
- E53
- E60
- E70



VALVE SIZE	TUBING SIZE
2 INCH	1/4 INCH
3 INCH	1/4 INCH
4 INCH	1/4 INCH
6 INCH	1/4 INCH
8 INCH	1/4 INCH

- E21
- E30
- E40
- E41
- E43
- E46
- E50
- E53
- E60
- E70

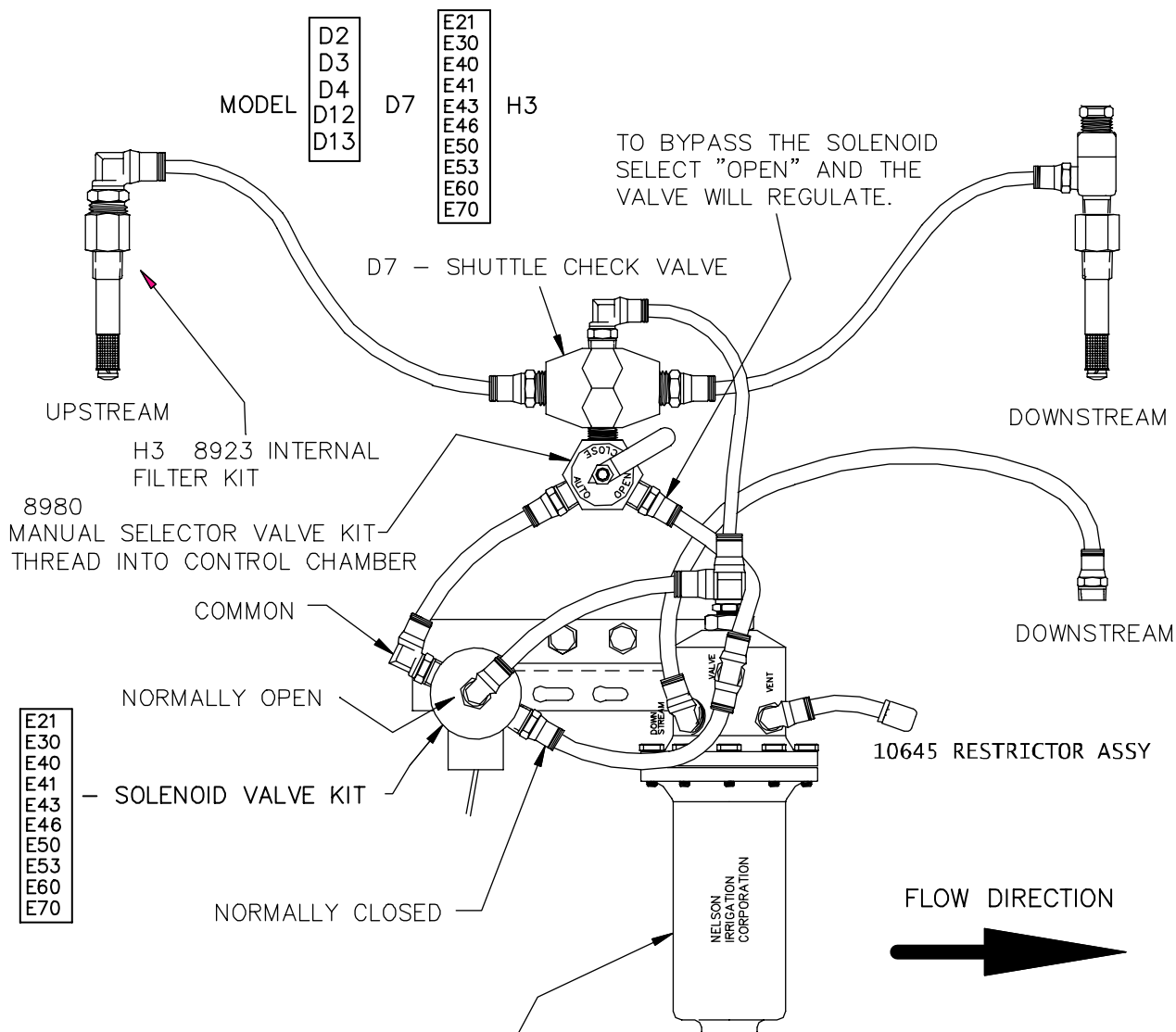
SOLENOID VALVE KIT

## PRESSURE REDUCING WITH CHECK VALVE AND SOLENOID AND INTERNAL FILTER

**PRESSURE REDUCING:** VALVE AUTOMATICALLY REDUCES A HIGHER INLET PRESSURE TO A CONSTANT OUTLET PRESSURE REGARDLESS OF VARYING INLET PRESSURE AND/OR CHANGING FLOW RATE.

**CHECK FEATURE:** IF DISCHARGE PRESSURE EXCEEDS THE INLET PRESSURE WHILE THE SOLENOID IS DE-ENERGIZED, THE MAIN VALVE WILL REMAIN CLOSED.

**SOLENOID CONTROL** IS PROVIDED TO INTERCEPT THE OPERATION OF THE PRESSURE REDUCING CONTROL AND CLOSE THE MAIN VALVE.



- D2 9529-001 PRESSURE-REDUCING KIT 5-50 PSI (.3-3.4 BAR)
- D3 9529-002 PRESSURE-REDUCING KIT 10-120 PSI (.7-8.3 BAR)
- D4 9529-003 PRESSURE-REDUCING KIT 25-200 PSI (1.7-13.8 BAR)

SMALL PILOT FOR 2" AND 3" VALVES

- D12 9691-001 PRESSURE-REDUCING KIT 5-60 PSI (.3-4 BAR)
- D13 9691-002 PRESSURE-REDUCING KIT 10-120 PSI (.7-8.3 BAR)

VALVE SIZE	TUBING SIZE
2 INCH	1/4 INCH
3 INCH	1/4 INCH
4 INCH	1/4 INCH
6 INCH	1/4 INCH
8 INCH	1/4 INCH

**PRESSURE SUSTAINING WITH CHECK VALVE INTERNAL FILTER**

ACCURATELY MAINTAINS A CONSTANT, PRESET, UPSTREAM PRESSURE BY DISCHARGING WATER AS REQUIRED.

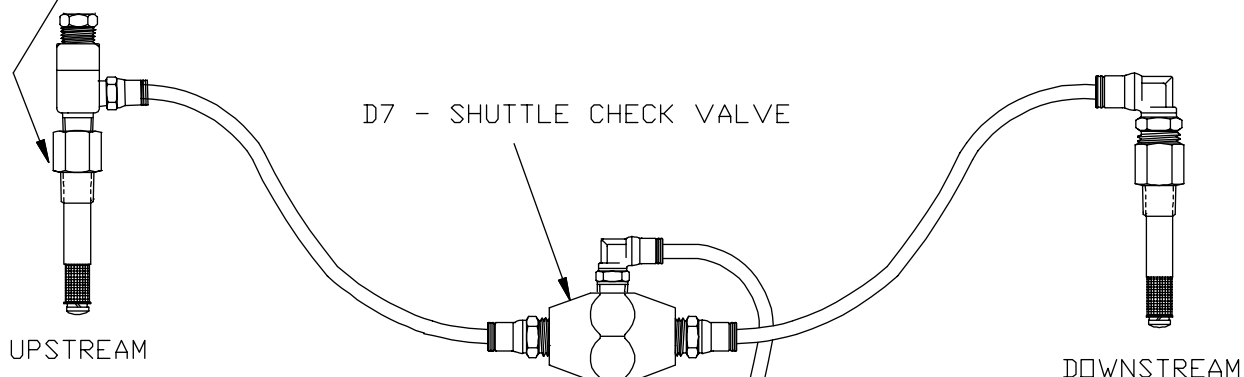
CHECK FEATURE: IF DISCHARGE PRESSURE EXCEEDS THE INLET PRESSURE THE MAIN VALVE WILL CLOSE.

MODEL 

D5
D8
D9
D15
D16

 D7 E1 H3

H3 8923 - INTERNAL FILTER KIT

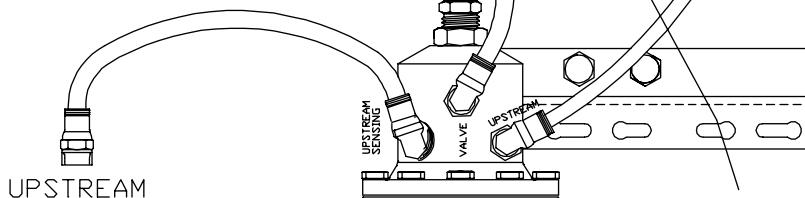


D7 - SHUTTLE CHECK VALVE

UPSTREAM

DOWNSTREAM

TO OPEN THE VALVE COMPLETELY REMOVE THIS PLUG AND SELECT THE OPEN POSITION.



8980 - MANUAL SELECTOR VALVE KIT  
THREAD INTO CONTROL CHAMBER

FLOW DIRECTION



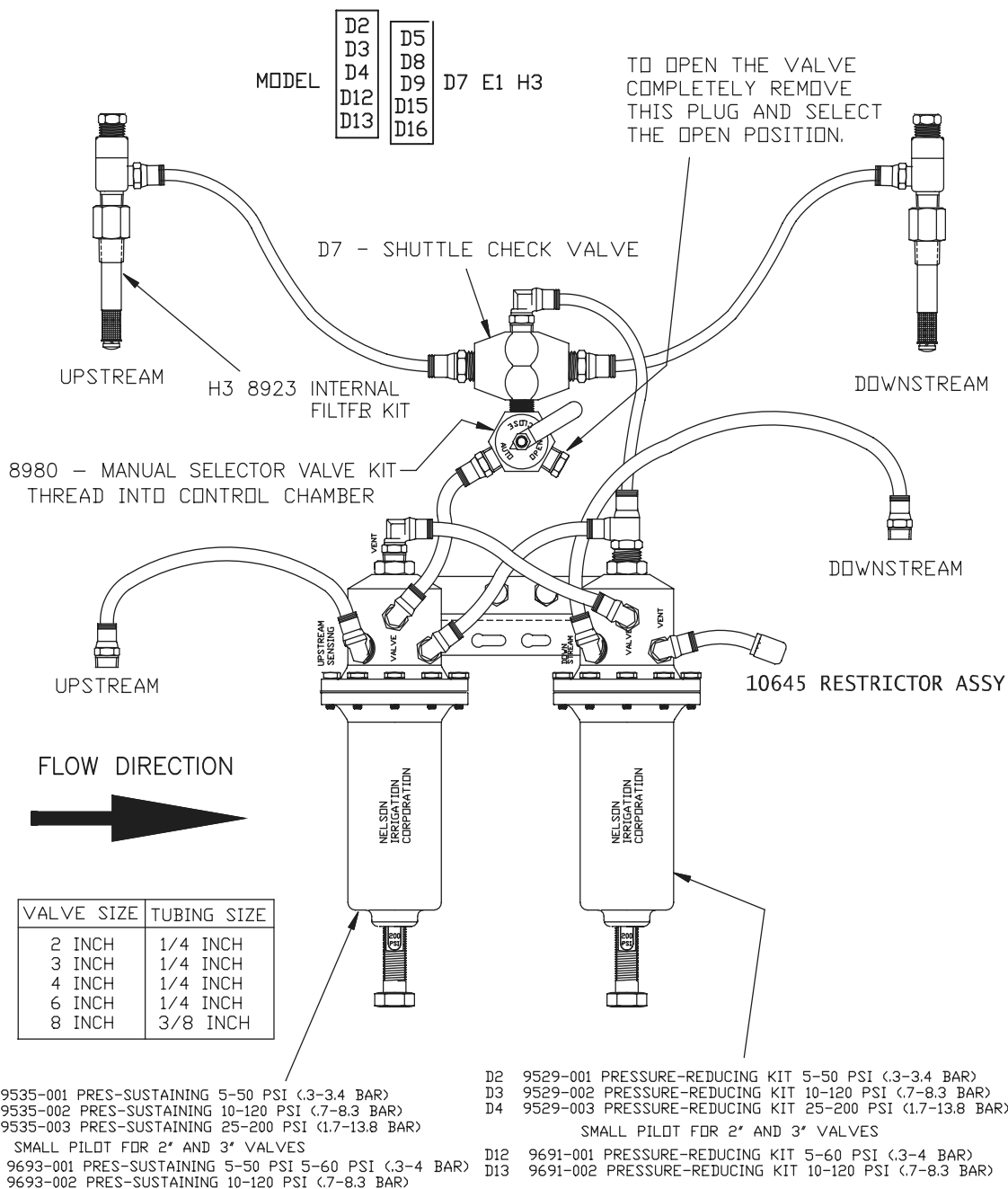
- D9 9535-001 PRES-SUSTAINING 5-50 PSI (.3-3.4 BAR)
- D8 9535-002 PRES-SUSTAINING 10-120 PSI (.7-8.3 BAR)
- D5 9535-003 PRES-SUSTAINING 25-200 PSI (1.7-13.8 BAR)
- SMALL PILOT FOR 2" AND 3" VALVES
- D15 9693-001 PRES-SUSTAINING 5-60 PSI (.3-4 BAR)
- D16 9693-002 PRES-SUSTAINING 10-120 PSI (.7-8.3 BAR)

VALVE SIZE	TUBING SIZE
2 INCH	1/4 INCH
3 INCH	1/4 INCH
4 INCH	1/4 INCH
6 INCH	1/4 INCH
8 INCH	3/8 INCH

## PRESSURE SUSTAINING AND REDUCING WITH CHECK VALVE INTERNAL FILTER

NOTE: VALVE WILL NOT OPEN UNTIL UPSTREAM PRESSURE ATTAINS THE SETPOINT PRESSURE OF THE SUSTAINING REGULATOR.

CHECK FEATURE: IF DISCHARGE PRESSURE EXCEEDS THE INLET PRESSURE THE MAIN VALVE WILL CLOSE.



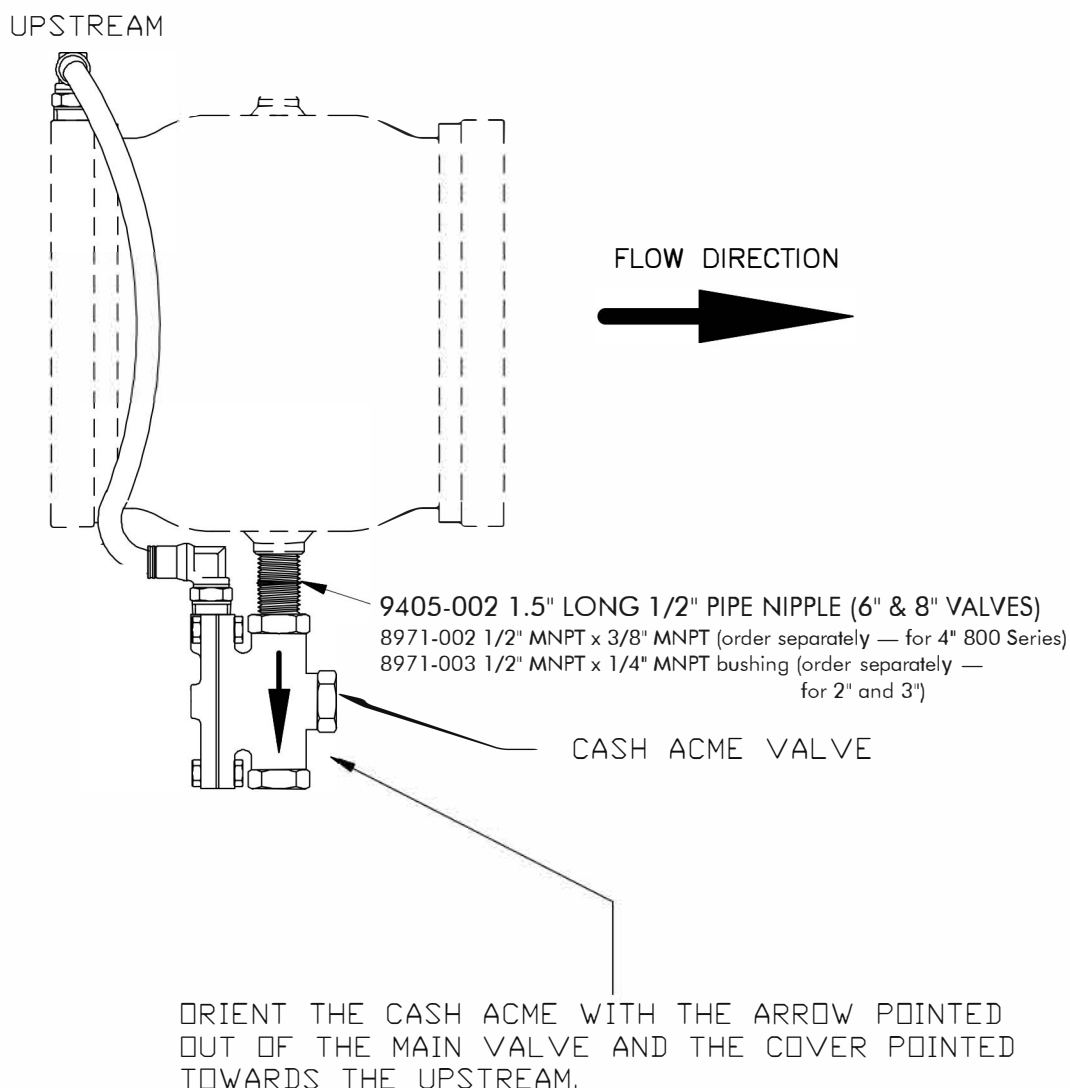
SEE SHEET TITLED "PRESSURE SUSTAINING & REDUCING ADJUSTING PROCEDURE"

## SLEEVE EXHAUST OPTION MODEL D06

BY ADDING OPTION D6 THE MAIN VALVE CAN SNAP OPEN WHEN WATER ARRIVES. THE VALVE WILL THEN STAY OPEN UNTIL UPSTREAM PRESSURE REACHES 30 PSI.\* ABOVE 30 PSI THE MAIN VALVE WILL RESPOND TO THE NORMAL SOLENOID AND/OR PRESSURE CONTROL CIRCUIT.

\*optional spring available —  
 closes at 10 PSI instead of 30 PSI  
 Spring - #12558  
 Kit, Model D06-1, #9047-004

THIS OPTION CAN BE ADDED TO ANY VALVE CONFIGURATION THAT DOES NOT HAVE A CHECK VALVE



## #9047-002 & -004 SLEEVE EXHAUST KITS

PART NO.	DESCRIPTION
9047-002	D06 SLEEVE EXHAUST KIT, 30 PSI
9047-004	D06-1 SLEEVE EXHAUST KIT, 10 PSI

