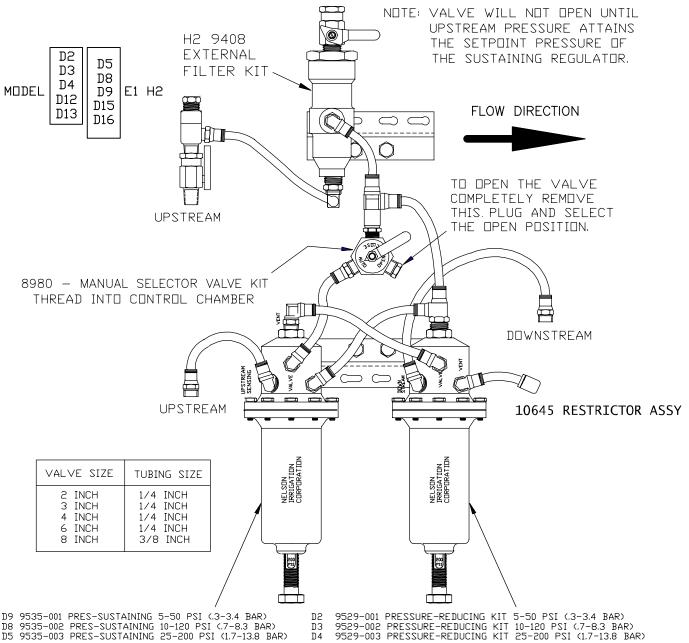
COMBINATION CONTROLS

800 SERIES CONTROL VALVES

COMBINATION PRESSURE SUSTAINING & REDUCING WITH EXTERNAL FILTER



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)

DЗ

SMALL PILOT FOR 2" AND 3" VALVES

9691-001 PRESSURE-REDUCING KIT 5-60 PSI (.3-4 BAR)

9691-002 PRESSURE-REDUCING KIT 10-120 PSI (.7-8.3 BAR)

SEE SHEET TITLED "PRESSURE SUSTAINING & REDUCING ADJUSTING PROCEDURE"

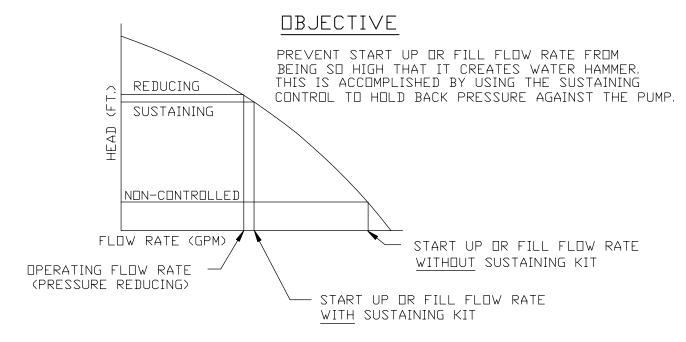
COMBINATION PRESSURE SUSTAINING & REDUCING ADJUSTMENT PROCEDURE

FOR VALVES JUST DOWNSTREAM OF PUMPS

- 1. ADJUST THE PRESSURE-REDUCING KIT (DOWNSTREAM REGULATOR) TO MAINTAIN THE DESIRED REGULATED PRESSURE WITH THE IRRIGATION SYSTEM OPERATING.
- 2. ADJUST THE PRESSURE SUSTAINING KIT (UPSTREAM REGULATOR) TO APPROX. 10 PSI (.7 BAR) LESS THAN THE REDUCING KIT.

NOTE: IF YOU HAVE TROUBLE MAINTAINING THE DESIRED DOWNSTREAM PRESSURE.

- A. SET THE PRESSURE SUSTAINING CONTROL TO 0 PSI.
- B. ADJUST THE PRESSURE-REDUCING CONTROL TO THE DESIRED DOWNSTREAM PRESSURE.
- C. RECORD THE UPSTREAM PRESSURE.
- D, SET THE PRESSURE SUSTAINING CONTROL TO A PRESSURE LESS THAN THE PRESSURE RECORDED IN STEP C.



FOR VALVES JUST DOWNSTREAM OF SAND MEDIA FILTERS

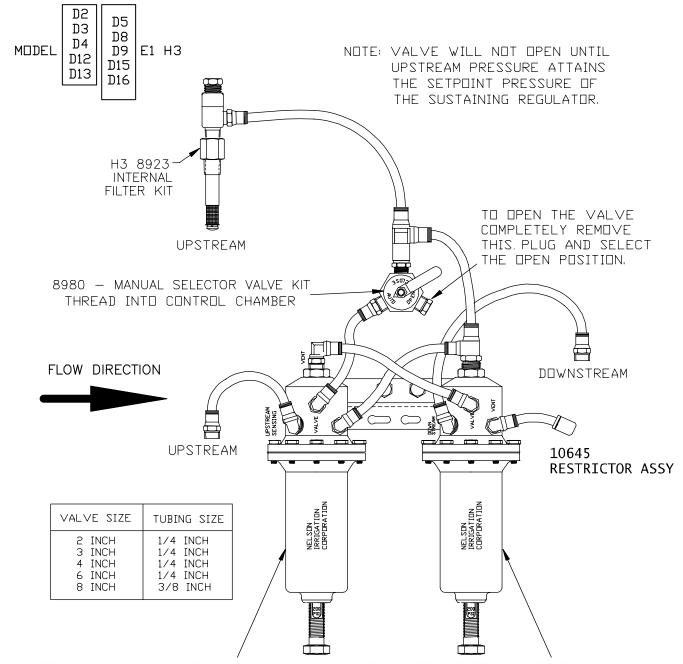
- 1. ADJUST THE PRESSURE-REDUCING KIT (DOWNSTREAM REGULATOR) TO MAINTAIN THE DESIRED REGULATED PRESSURE WITH THE IRRIGATION SYSTEM OPERATING.
- 2. ADJUST THE PRESSURE SUSTAINING KIT (UPSTREAM REGULATOR) TO MAINTAIN THE DESIRED UPSTREAM PRESSURE AGAINST THE SAND MEDIA FILTERS FOR THE CORRECT BACK FLUSH PRESSURE NEEDED.

NOTE: IF YOU HAVE TROUBLE MAINTAINING THE DESIRED DOWNSTREAM PRESSURE.

- A. SET THE PRESSURE SUSTAINING CONTROL TO 0 PSI.
- B. ADJUST THE PRESSURE-REDUCING CONTROL TO THE DESIRED DOWNSTREAM PRESSURE.
- C. RECORD THE UPSTREAM PRESSURE.
- D. SET THE PRESSURE SUSTAINING CONTROL TO A PRESSURE LESS THAN THE PRESSURE RECORDED IN STEP C. (CAUTION: IF SUSTAINING PRESSURE IS BELOW SAND MEDIA FILTER MANUFACTURER'S RECOMMENDED PRESSURE, THEN FIND OUT WHY THERE IS NOT ENOUGH FLOW/PRESSURE AVAILABLE TO THE SYSTEM).



COMBINATION PRESSURE SUSTAINING & REDUCING WITH INTERNAL FILTER



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)

9529-001 PRESSURE-REDUCING KIT 5-50 PSI (.3-3.4 BAR) 9529-002 PRESSURE-REDUCING KIT 10-120 PSI (.7-8.3 BAR) 9529-003 PRESSURE-REDUCING KIT 25-200 PSI (1.7-13.8 BAR) D2 DЗ SMALL PILOT FOR 2" AND 3" VALVES

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

D12

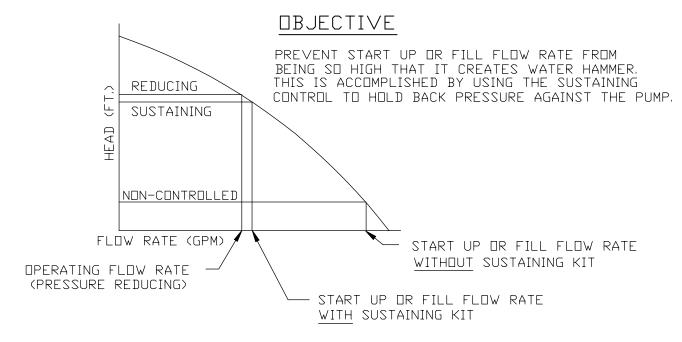
COMBINATION PRESSURE SUSTAINING & REDUCING ADJUSTMENT PROCEDURE

FOR VALVES JUST DOWNSTREAM OF PUMPS

- 1. ADJUST THE PRESSURE-REDUCING KIT (DOWNSTREAM REGULATOR) TO MAINTAIN THE DESIRED REGULATED PRESSURE WITH THE IRRIGATION SYSTEM OPERATING.
- 2. ADJUST THE PRESSURE SUSTAINING KIT (UPSTREAM REGULATOR) TO APPROX. 10 PSI (.7 BAR) LESS THAN THE REDUCING KIT.

NOTE: IF YOU HAVE TROUBLE MAINTAINING THE DESIRED DOWNSTREAM PRESSURE.

- A. SET THE PRESSURE SUSTAINING CONTROL TO 0 PSI.
- B. ADJUST THE PRESSURE-REDUCING CONTROL TO THE DESIRED DOWNSTREAM PRESSURE.
- C. RECORD THE UPSTREAM PRESSURE.
- D, SET THE PRESSURE SUSTAINING CONTROL TO A PRESSURE LESS THAN THE PRESSURE RECORDED IN STEP C.



FOR VALVES JUST DOWNSTREAM OF SAND MEDIA FILTERS

- 1. ADJUST THE PRESSURE-REDUCING KIT (DOWNSTREAM REGULATOR) TO MAINTAIN THE DESIRED REGULATED PRESSURE WITH THE IRRIGATION SYSTEM OPERATING.
- 2. ADJUST THE PRESSURE SUSTAINING KIT (UPSTREAM REGULATOR) TO MAINTAIN THE DESIRED UPSTREAM PRESSURE AGAINST THE SAND MEDIA FILTERS FOR THE CORRECT BACK FLUSH PRESSURE NEEDED.

NOTE: IF YOU HAVE TROUBLE MAINTAINING THE DESIRED DOWNSTREAM PRESSURE.

- A. SET THE PRESSURE SUSTAINING CONTROL TO 0 PSI.
- B. ADJUST THE PRESSURE-REDUCING CONTROL TO THE DESIRED DOWNSTREAM PRESSURE.
- C. RECORD THE UPSTREAM PRESSURE.
- D. SET THE PRESSURE SUSTAINING CONTROL TO A PRESSURE LESS THAN THE PRESSURE RECORDED IN STEP C. (CAUTION: IF SUSTAINING PRESSURE IS BELOW SAND MEDIA FILTER MANUFACTURER'S RECOMMENDED PRESSURE, THEN FIND OUT WHY THERE IS NOT ENOUGH FLOW/PRESSURE AVAILABLE TO THE SYSTEM).