
TECHNICAL BULLETIN

ECU LINES – 3-WAY VALVES

THE PRESENT TECHNICAL BULLETIN CONTAINS TECHNICAL INFORMATION AIMED TO SUPPORT/IMPROVE DRASS EQUIPMENT CURRENTLY IN OPERATION.

YOU ARE KINDLY REQUESTED TO:

- COMMUNICATE IF THIS DOCUMENT AND THOSE FOLLOWING SHOULD BE SENT TO DIFFERENT E-MAIL ADDRESSES.
- CONTACT DRASS FOR ANY CLARIFICATION NEEDED.
- INVOLVE DRASS FOR IMPLEMENTATION OF ANY SUGGESTED MODIFICATIONS.
- ALWAYS INFORM DRASS OF ANY MODIFICATION TO DRASS EQUIPMENT IN ORDER TO VERIFY SAFETY, ALLOW TRACEABILITY AND LIFE CYCLE SUPPORT.

PLEASE NOTE THAT TECHNICAL BULLETINS WILL BE AVAILABLE AT WWW.DRASS.IT FOR PERMANENT CONSULTATION.

REASON FOR ISSUE

SECURITY AND FUNCTIONAL EQUIPMENT IMPROVEMENT FOR ENVIRONMENTAL CONTROL SYSTEM.

IN ORDER TO ENSURE THAT NO LEAKING OCCURS AT ECU CROSS CONNECTION VALVES, DRASS SUGGESTS THE INSTALLATION OF THE FOLLOWING KIT ON ECU GAS LINES, CLOSE TO THE 3-WAY VALVES.

THE KIT CONSISTS OF AN 8-DISK, 2 SAE300 FLANGES, RELATED FITTINGS AND BOLT AND IT IS READY TO BE WELDED ON THE RELEVANT LINES.

THE 8-DISC ALLOWS COMPLETE SEALING WHEN POSITIONED IN THE BLIND SIDE AND DOES NOT INTRODUCE A PRESSURE DROP IN THE OPERATING LINE WHEN POSITIONED IN OPEN POSITION SIDE.

THE FOLLOWING DIAGRAM SHOWS AN EXAMPLE OF HOW TO INSTALL THE KIT ON THE ECU LINE.

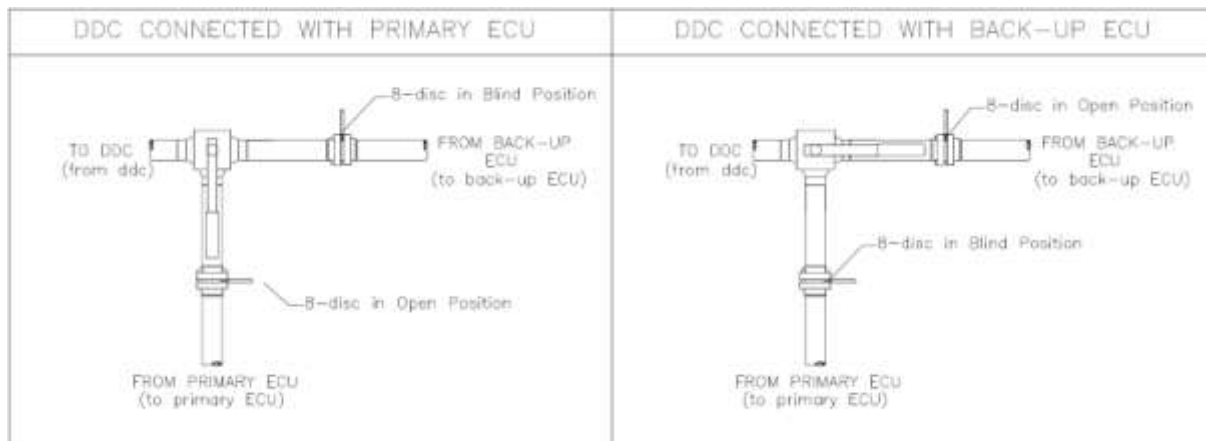


FIGURE 1

THE KIT CAN BE PROVIDED, READY TO WELD UPSTREAM OF THE 3-WAY VALVE ON THE ECU SIDES.

FOR OPERATIONAL PURPOSES, WHEN THE OPERATOR WANTS TO MAKE THE EXCHANGE BY A LINE FROM PRIMARY TO BACK-UP CARRY OUT THE FOLLOWING STEPS:

1. STOP THE ECU.
2. VENTILATE THE SUPPLY AND RETURN LINES.
3. UNLOOSEN THE BOLT ON THE 8-DISC INSTALLED CLOSE TO THE 3-WAY VALVES CONNECTED TO THE ECU THAT SHALL BE EXCLUDED.
4. TURN THE 8-DISC TO THE BLIND POSITION.
5. TIGHTEN THE FLANGES.

6. TIGHTEN THE BOLT ON 8-DISC INSTALLED CLOSE TO THE 3-WAY VALVES CONNECTED TO THE ECU THAT SHALL BE CONNECTED.
7. TURN THE 8-DISC TO OPEN POSITION.
8. TIGHTEN THE FLANGES.
9. PRESSURIZE THE RELEVANT LINES.
10. START THE ECU.

THE KIT (REF A0315-550) ALLOWS THE TESTING OF THE ECU LINES AT 1.5 TIMES MAXIMUM WORKING PRESSURE WITHOUT RUNNING THE RISK OF DAMAGING THE VALVE.



FIGURE 2

RECOMMENDATIONS

1. USE ONLY DRASS ORIGINAL UPGRADE KIT
2. RECORD THE MODIFICATION IN THE DOCUMENTATION OF THE DIVING SYSTEM
3. REPORT THE EXECUTION OF THE IMPROVEMENT AS PER OEM RECOMMENDATIONS TO THE CLASS SURVEYOR DURING THE ANNUAL SURVEY.