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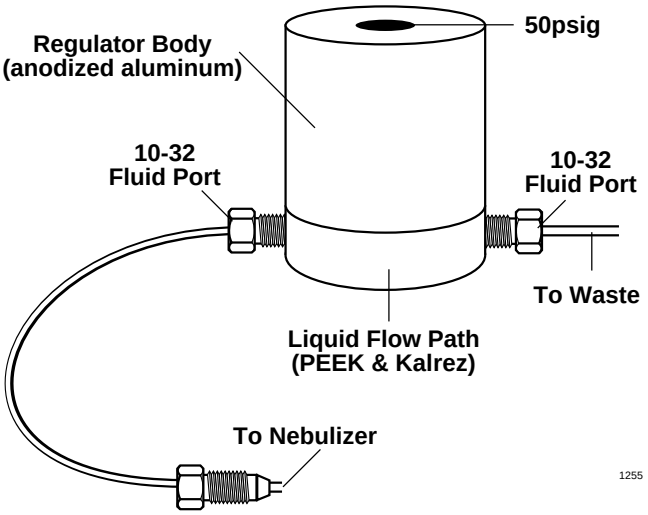
Data Sheet
D500161

Over Pressure Relief Assembly for ELSD MKIII

Alltech Associates, Inc. • 2051 Waukegan Road • Deerfield, IL 60015-1899 • Telephone: (847) 948-8600 • Fax: (847) 948-1078

Over Pressure Relief Assembly for ELSD MKIII

Install the over pressure relief assembly to the nebulizer assembly of the ELSD MKIII to prevent fragile columns and instruments from damage caused by high pressure if the nebulizer becomes blocked. This device will provide a fail safe feature to protect all HPLC component parts downline from the ELSD MKIII. In the event that the nebulizer becomes blocked, causing a pressure in excess of 50 psig, the relief assembly will open and divert flow away from the nebulizer. The waste line from the relief valve assembly should be directed to a beaker so that any flow coming from the relief assembly will be noticed and appropriate maintenance performed to clean the blocked nebulizer.



Installation of the Over Pressure Relief Assembly

1. Access the nebulizer assembly and over pressure relief line by sliding back the top cover plates of the ELSD MKIII.
2. Turn off the pump.
3. Let the ELSD MKIII detector cool to below 50°C. Adjust the temperature to the lowest possible setting and increase the gas flow to aid cool down.
4. Disconnect the old relief assembly from the nebulizer using the 1/4" open-end wrench provided in the ELSD accessory kit. (See **Figure 1**)
5. Replace the old relief assembly. **Do not hide the relief assembly in the pan of the ELSD MKIII, doing so may cause the pan to flood and liquid to leak into the interior of the detector.**
6. Bring the ELSD temperature back to operating conditions. Start the pump and allow the tubing to the new relief valve to fill with mobile phase.

NOTE: Do not replace the Over Pressure Relief Assembly with a plug. Doing so may damage the detector's liquid pressure sensor.

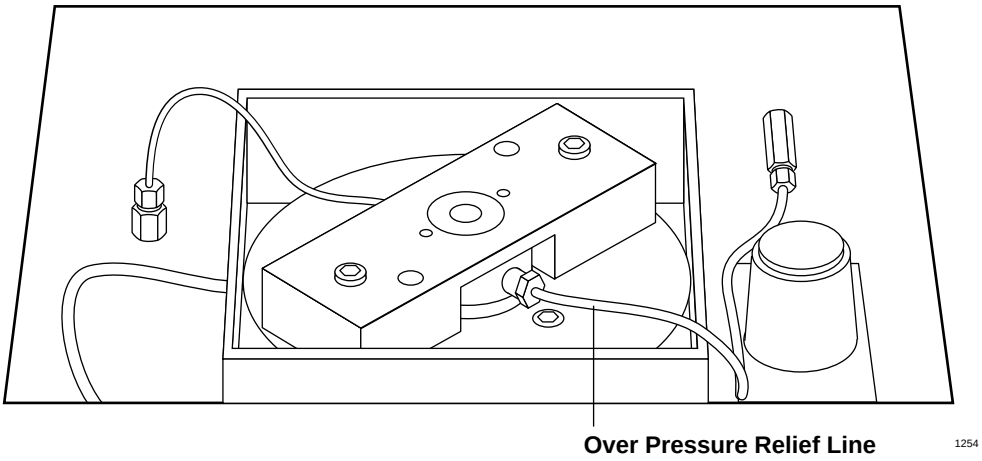


Figure 1

Description	Part No.
ALLTECH OVER PRESSURE RELIEF ASSEMBLY	
Alltech Over Pressure Relief Assembly	**500161**
Knurl-Lok One Piece Fittings, 5/Pkg	**32232**

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