

# DIAPHRAGM REPLACEMENT PROCEDURE

FOR HFDV PURGE AND NO PURGE WITH 6, 10 AND 14 PORTS



Shut off carrier and sample gas before proceeding. If hydrogen, oxygen or other hazardous gases are flowing into the valve, evacuate them by allowing inert gas to flow through the valve. Make sure that no toxic or hazardous gas leak into your working area.

1

Actuate the valve by pressurizing the actuator (ON position). Insert the relief pins. You may need to slightly increase the actuation pressure to ease the pins in. Depressurize the actuator (OFF position).

2

Remove head screws.

3

Carefully lift up the valve head.

4

Use compressed air to thoroughly blow off the diaphragm and the interior and exterior surfaces of the cap, ensuring all components are perfectly clean and free of debris.

5

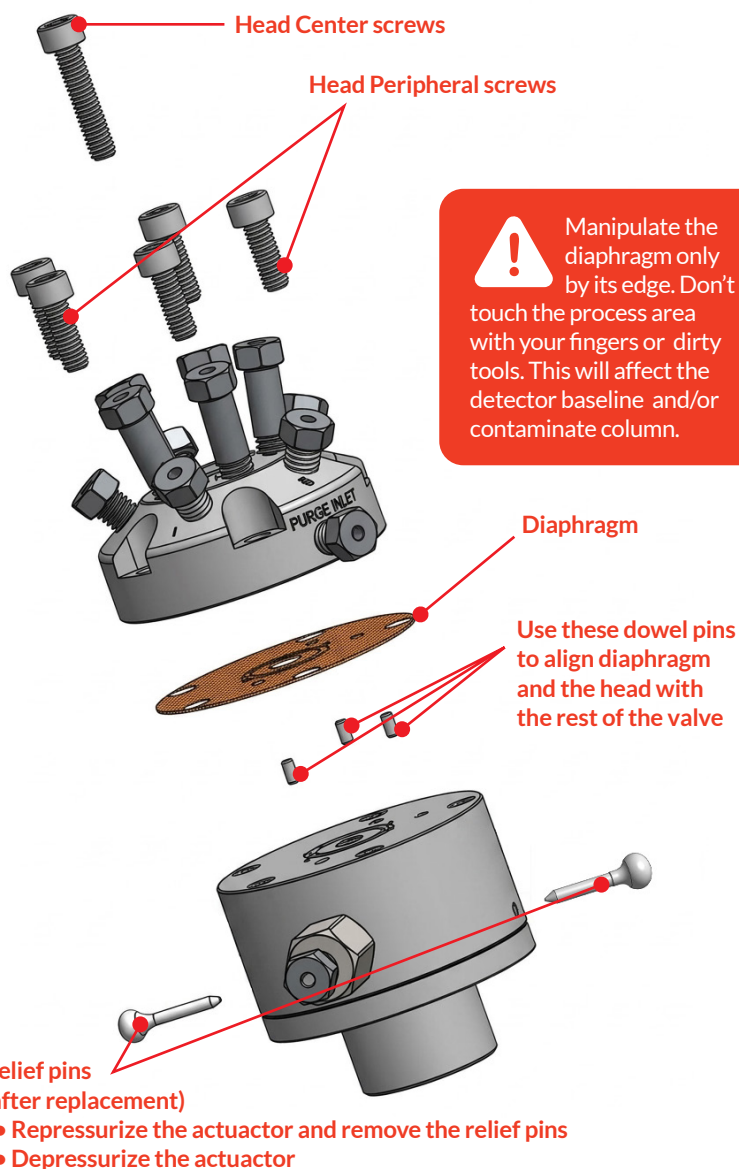
Replace the diaphragm, following the alignment dowel pin pattern in the body of the valve.

6

Torque the head center screw first. Then, torque the head peripherals screws in a star pattern.

**Note:** A visual inspection is recommended while the valve cap and diaphragm are removed from the valve body. If any contamination is observed on the wetted surfaces of the valve cap, the affected surfaces must be thoroughly cleaned in accordance with the AFP cleaning procedure.

*\*Please refer to the website for additional notices and disclaimer information.*



| Valve model | Head Center screw, Torque (lb-in) | Head Peripheral screw, Torque (lb-in) |
|-------------|-----------------------------------|---------------------------------------|
| HFDV-06     | 20                                | 12                                    |
| HFDV-10     | 20                                | 20                                    |
| HFDV-14     | 26                                | 20                                    |