

# DPFE Diagnostic Pressure Chart

| DPFE Volts  | kPa           | PSI           | EGR Flow Level        | Typical Desired EGR % | System State                 |
|-------------|---------------|---------------|-----------------------|-----------------------|------------------------------|
| 0.50        | -10.000       | -1.450        | Sensor floor          | 0%                    | Electrical fault / unplugged |
| 1.00        | -6.875        | -0.997        | Below baseline        | 0%                    | Not valid for flow           |
| <b>1.50</b> | <b>-3.675</b> | <b>-0.533</b> | <b>No flow (Idle)</b> | <b>0%</b>             | <b>Normal baseline</b>       |
| 1.75        | -2.075        | -0.301        | Very light            | 5–10%                 | Tip-in / cruise              |
| 2.00        | -0.475        | -0.069        | Light                 | 10–20%                | Light load                   |
| 2.25        | 1.125         | 0.163         | Light–Moderate        | 20–30%                | Steady cruise                |
| 2.50        | 2.725         | 0.395         | Moderate              | 30–45%                | Normal EGR operation         |
| 2.75        | 4.325         | 0.627         | Moderate–Heavy        | 45–60%                | Load increasing              |
| 3.00        | 5.925         | 0.859         | Heavy                 | 60–75%                | High EGR demand              |
| 3.50        | 9.125         | 1.324         | Very heavy            | 75–90%                | Near limit                   |
| <b>4.00</b> | <b>12.325</b> | <b>1.788</b>  | <b>Maximum flow</b>   | <b>90–100%</b>        | <b>Max commanded</b>         |
| 4.50        | 15.525        | 2.252         | Sensor ceiling        | 100%                  | Fault if sustained           |
| 5.00        | 18.725        | 2.716         | Hard fault            | —                     | Short to VREF                |