OIL PRESSURE REGULATOR

MODEL: **OPR**

BULLETIN: 801

DESCRIPTION

Fluctuations of oil pressure usually occur due to oscillatory operation of oil pump or because of different pressure losses with varying flow rate in the pipelines. Oil pressure reducing regulators are necessary to step down oil supply pressures to a steady pressure suitable for various burner/combustion applications or at the inlet of the ratio control valve.
These regulators may be installed in any position. An arrow on the body shows direction of flow. Regulators are available with factory-set for an outlet pressure of 3 bar.

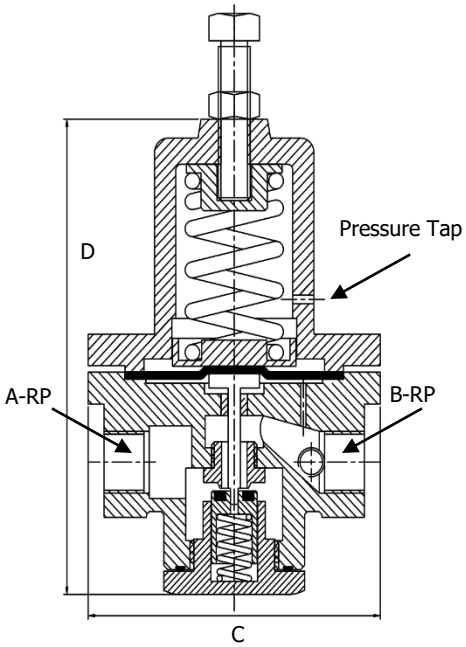
FEATURES

- Precise control of outlet pressure.
- Inlet pressure up to 16 bar.
- Maximum working temperature 140°C.
- Regulators are available with the standard 30-75 psi outlet pressure spring.
- Body: Cast Iron; Diaphragm: Synthetic Rubber; Seat: Teflon.

EXTRA FEATURES

- To measure the outlet side pressure, a pressure tap is considered on the body. So an oil pressure gauge may be provided from SSECO as optional extra.

REGULATOR CAPACITIES:



Data for 0.85 sp gr oil at 48 Saybolt Universal Seconds (SSU)
For other, Use Correction Factors

Pressure (bar)		15 OPR	
Inlet	**Outlet**	**10% droop (lit/hr)**	**20% droop (lit/hr)**
8	3	1300	1800

When Choosing factors for heavier oils, make sure oil temperature required for desired SSU value does not exceed regulator temperature rating

Viscosity SSU	Correction Factor
100	0.9
300	0.85
2000	0.5
4000	0.4
5000	0.3

MODEL NO.	A in	B in	C mm	D mm
15 OPR	1/2	1/2	110	163

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OPERATION:

These Regulators are particularly useful upstream of burners and ratio regulators (Governors, refer to AOR governor from SSECO products), which call for constant pressure of fuel oil to operate accurately and efficiently. Outlet pressure can be adjusted by: 1-loosening the locknut, 2-turning spring adjusting screw until the desired outlet pressure is obtained, and 3-tightening the locknut.

PIPING SCHEMATIC: