

PILOT- OPERATED PRESSURE REGULATOR LPRD SERIES

LOW PRESSURE • HIGH ACCURACY • HIGH FLOW



MAIN FEATURES

- ss 316L
- balanced valve
- large diaphragm
- integral pilot regulator
- integral feedback line
- inlet- and outletgauge
- flanges to ANSI or DIN
- high cv
- bubble tight shut-off
- shell design according to EN 12516

CHARACTERISTICS

Inlet pressure	: 16 bar
Outlet pressure	: 0,1 – 2 bar
Design pressure	: downstream side 2 bar
Seat diameter:	: 2" model : 25 mm
	: 2½" model : 32 mm
	: 3" model : 42 mm
	: 4" model : 60 mm

Materials:

- Body, Dome & Trim : ss 316L
- Seat insert : elastomer
- Seals & Diaphragm : elastomer

Connections :

- Inlet : 2" – 4" , flanges to DIN / ANSI B16.5, weld stubs
 - Outlet : to suit the flow requirements
- Temperature range : -20 to + 100°C *

OUTLET CONNECTION

1. LPRD is a high flow, 100-2000 millibar outlet pressure regulator.
2. To avoid pressure loss, the gas velocity on the downstream side must be kept low.
3. This requires expansion of the gas into a large OD outlet connection.

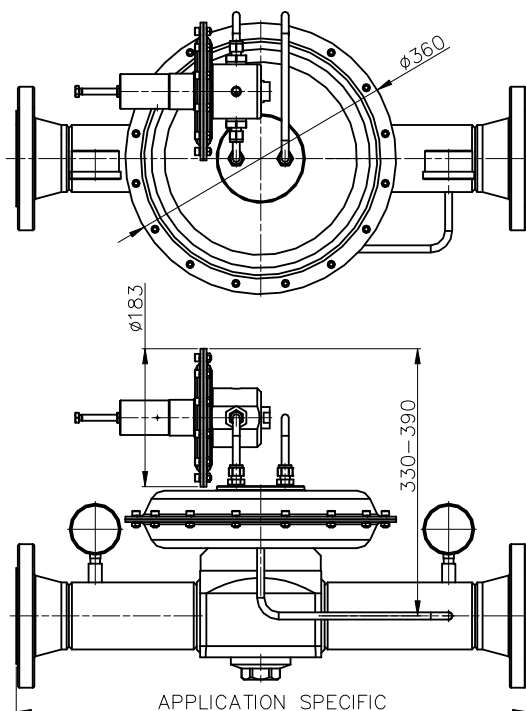
RHPS can expand the outlet side to whatever diameter is necessary to warrant proper control.

CLEANING

This regulator is ultrasonically cleaned and degreased.

Cleaning based on ASTM-G93 Level C / CGA 4.1 is optional.

* Actual range depends on choice of elastomers.



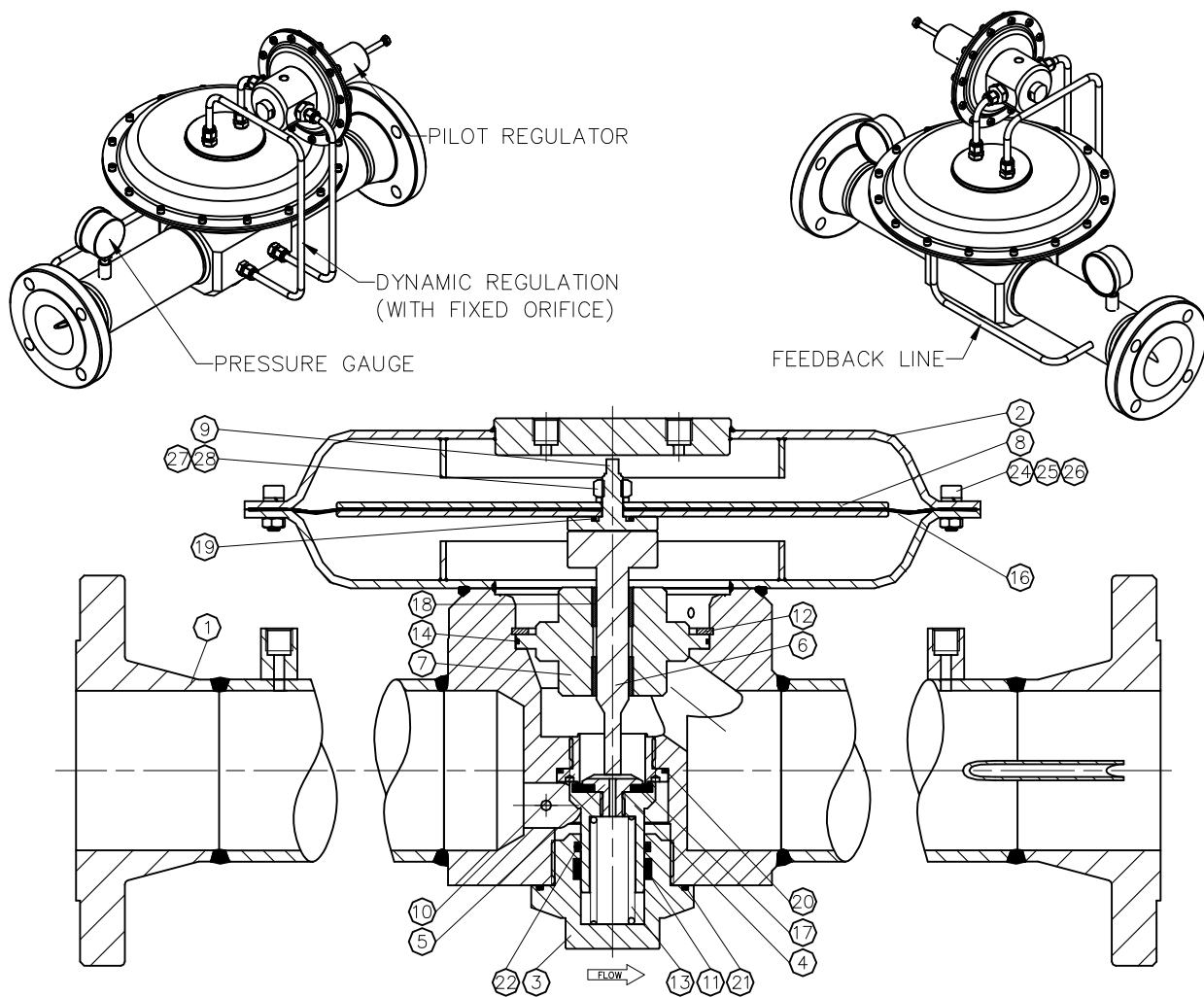
Swagelok regulators are not "Safety Accessories" as defined in the Pressure Equipment Directive 97/23/EC:



Do not use the regulator as a shut off device.

RHPS Series

Swagelok



ORDERING INFORMATION
 example: LPRDFA40A1-02-2-NNN

LPRD	FA40A	1	-02	-2	- N	N	N
series / inlet	connection	flange facing*	material	outlet pressure	o-rings	diaphragm	seat
LPRD = 16 bar	ansi flanges FA20A = 2" class 150 FA25A = 2½" class 150 FA30A = 3" class 150 FA40A = 4" class 150 din flanges FD20N = DN50 PN40 FD25N = DN65 PN40 FD30N = DN80 PN40 FD40N = DN100 PN40	*if flanges are ordered 1 = raised face smooth	02 = ss316L	2 = 0,1 - 1 bar 3 = 0,3 - 2 bar	N = nitrile E = epdm V = viton	N = nitrile E = epdm V = viton	N = nitrile E = epdm V = viton

Red text identifies an example ordering number.

Safe Product Selection

When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

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