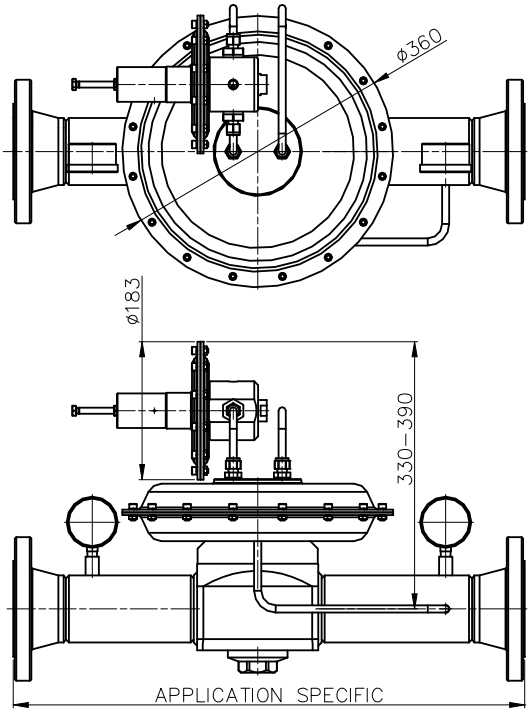
PILOT- OPERATED PRESSURE REGULATOR LPRD SERIES

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**
- **delivery according to PED**



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, weldstubs	
• Outlet	: to suit the flow requirements	
Temperature range	: −20 to + 140°C ∗	

OUTLET CONNECTION

1. LPRD is a high flow, 100-2000 millibar outlet pressure regulator.
2. To avoid pressure loss, the gasvelocity 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

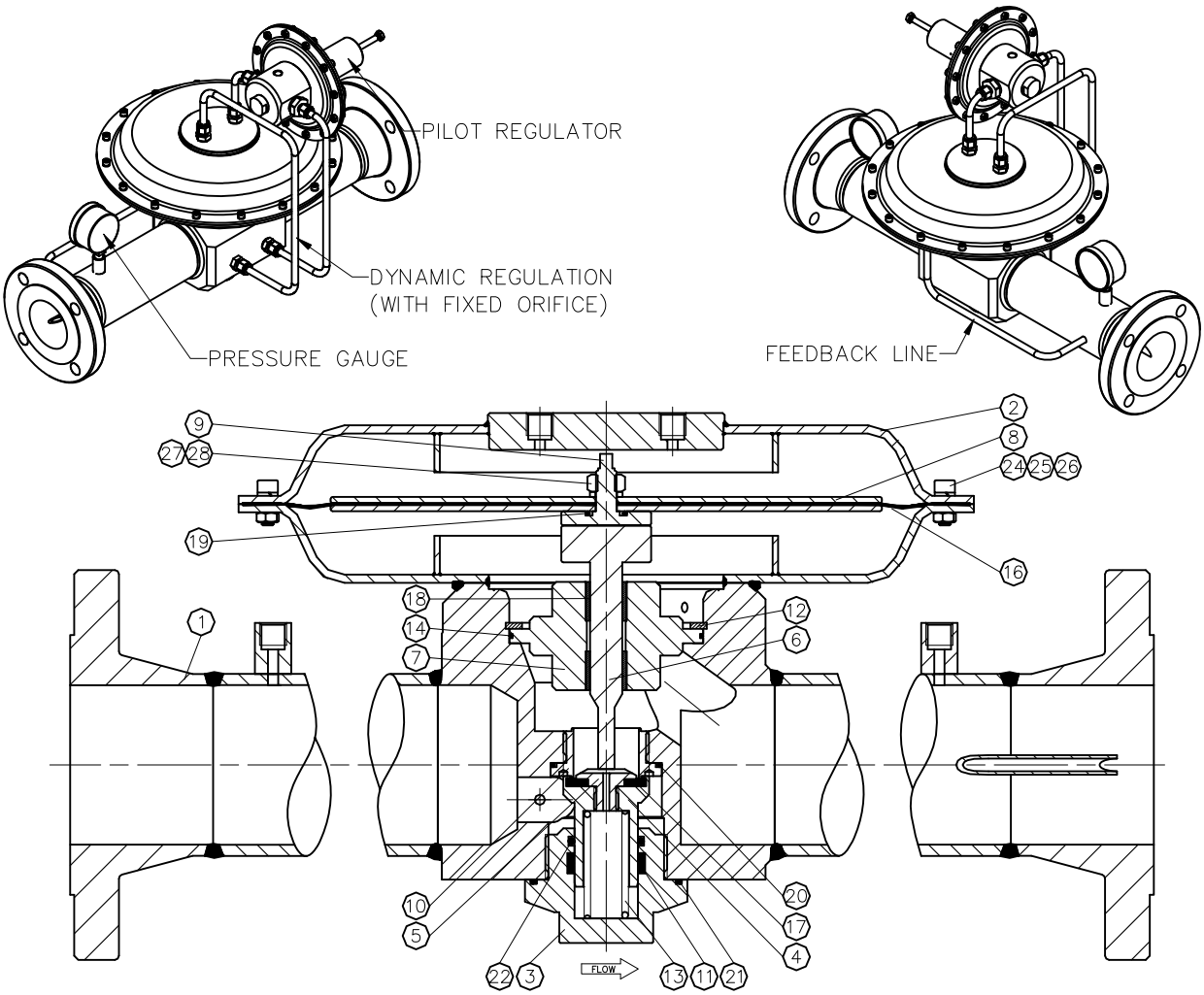
This regulator is ultrasonically cleaned and degreased.

Oxygen 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.**



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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