

3" PILOT-OPERATED PRESSURE REGULATOR RD(H)F30

2- PATH CONTROL



MAIN FEATURES

- ss 316L
- balanced valve
- integral pilot regulator
- 2-path control
- diaphragm sensing
- Cv 36
- bubble tight shut-off
- large dome for improved stability
- shell design according to EN 12516
- delivery according to PED

CHARACTERISTICS

Inlet pressure: : RDF30 : 70 bar
: RDHF30 : 280 bar
Outlet ranges: : RDF30 : 0 – 70 bar
: RDHF30 : 0 – 200 bar

Ratio dome /
outlet pressure : 1:1
Seat diameter : 42 mm
Cv (Kv) : 36 (31)

Materials:

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

Connections:

- Line : flanges to DIN / ANSI B16.5
- Weight : 62 kg (with 3" 150# flanges)
- Temperature range : -20°C to + 80°C

IMPROVED PERFORMANCE

To reduce droop, we advise to use:

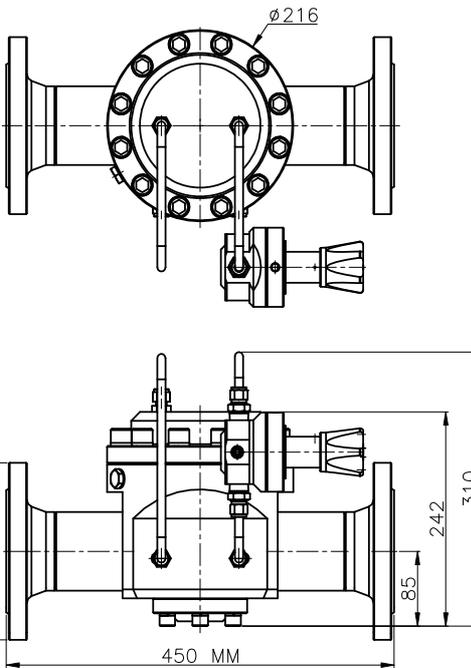
- an [external feedback](#) (when $P_2 \leq 20$ bar)

CLEANING

This regulator is ultrasonically cleaned and degreased.
Oxygen cleaning based on
ASTM-G93 Level C / CGA 4.1 is optional.

INSTALLATION

This regulator is always equipped with a pilot regulator.



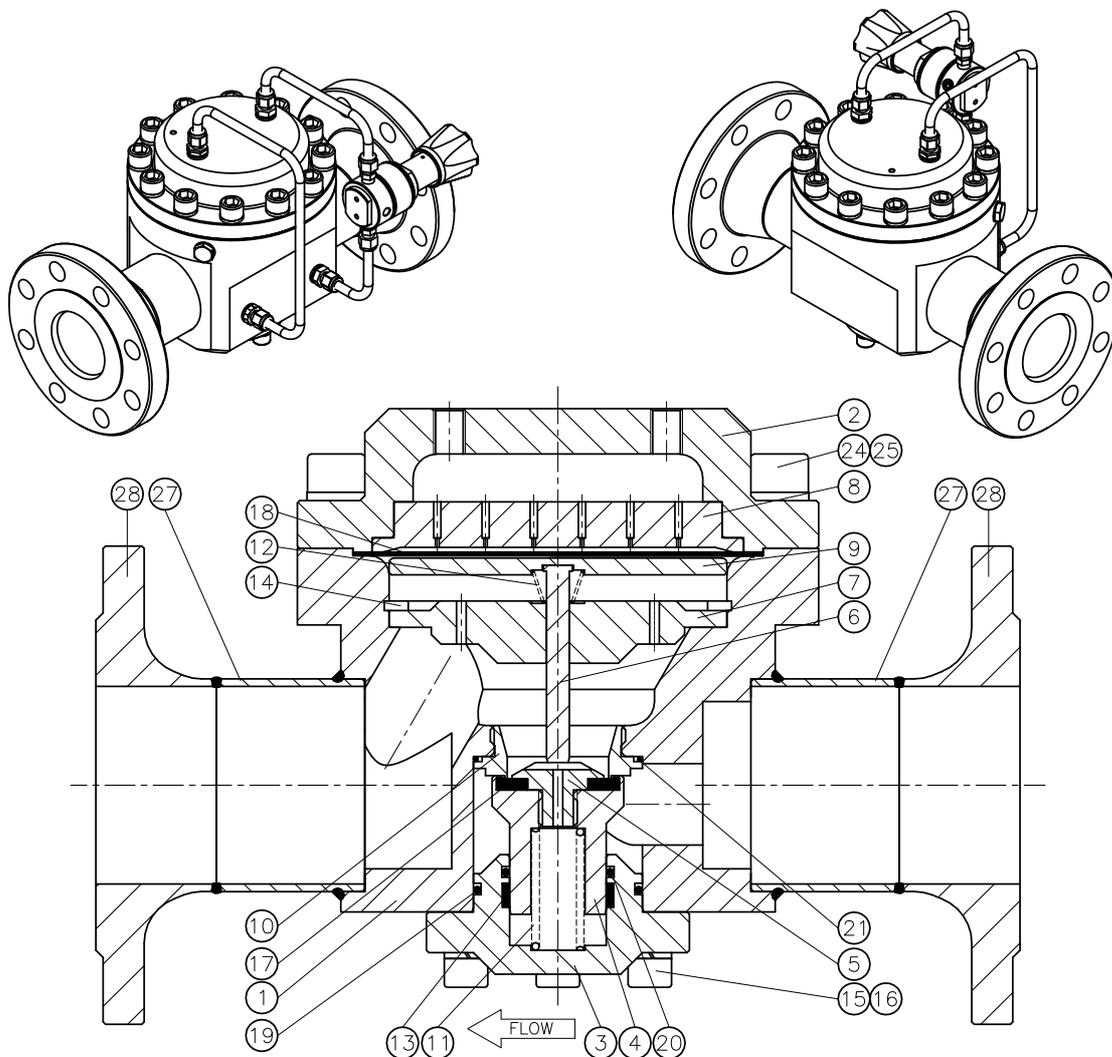
Swagelok regulators are not "Safety Accessories" as defined in the Pressure Equipment Directive 97/23/EC:



Do not use the regulator as a shut off device.

RHPS Series

Swagelok



GAUGEPORTS

If gauges are required use gaugeport(s) of pilotregulator.

ORDERING INFORMATION

example: **RDFA30A1-02-0-NNN-EF**

RD	FA30A	1	- 02	- 0	- N	N	N	- EF
series / inlet	connection	flange facing*	material	outlet range	o-rings	diaphragm	seat	options
RD = 70 bar RDH = 280 bar	ansi flanges FA30A = 3" class 150 FA30B = 3" class 300 FA30C = 3" class 600 FA30E = 3" class 1500 FA30F = 3" class 2500 din flanges FD30M = DN80 PN16 FD30N = DN80 PN40 FD30P = DN80 PN64 FD30R = DN80 PN250 FD30S = DN80 PN400	(if flanges are ordered) 1 = raised face smooth 3 = RTJ	02 = ss316L	RD: 0 = 0 - 3 bar 1 = 0 - 9 bar 2 = 0 - 20 bar 3 = 0 - 70 bar RDH: 4 = 0 - 10 bar 5 = 0 - 25 bar 6 = 0 - 100 bar 7 = 0 - 175 bar 8 = 0 - 200 bar	N = nitrile E = epdm V = viton	N = nitrile E = epdm V = viton	RD: N = nitrile E = epdm V = viton RDH: to be advised	EF = external feedback

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.

RHPS, Swagelok—TM Swagelok Company
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Printed in U.S.A., OM
June 2010, R0
MS-02-399-E