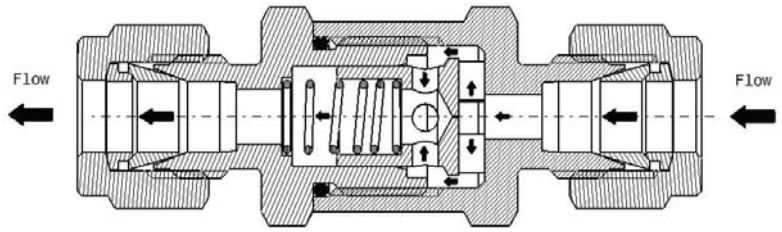
SAGANA
INSTRUMENTATION

EXCESS FLOW DEVICE

SERIES EFD



The excess flow device is designed to close when the flow increases due to rupture of pipes, lines, valves…

Standard specifications

Working pressure pmax	200 bar / 2900 psi
Temperature range	See the "Optional O-rings Materials" table
Helium leak rate	$1x10^{-9}$ mbarl/sec
Flow coefficient CV	0,4

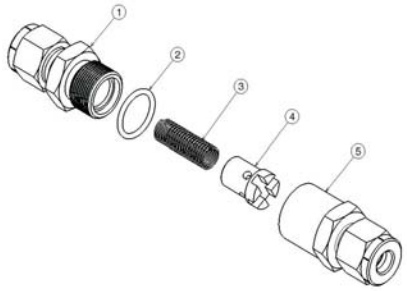
Key features

* All metal seal, no contamination
* Spring loaded actuation - allows valve to work in any orientation
* Choice of tube, pipe or face seal end connections

Options

* Alternativ body materials
* Gas wetted components electrochemically polished
* Clean room assembly
* Cleaning for UHP applicatîons

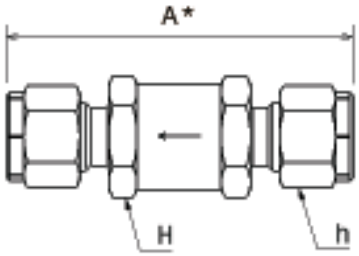
Components



Item	Designation	Material
1	Outlet body	AISI 316L
2	O-ring	See Optional O-ring Materials
3	Spring	AISI 302
4	Poppet	AISI 316L
5	Inlet body	AISI 316L

Optional O-rings Materials	
O-ring Material	Temperature rating
FPM (fluorocarbon Rubber)	-25°C to 250°C -13°F to 482°F
NBR Nitrile	-30°C to 120°C -22°F to 248°F
EPDM (ethylene Propylene Rubber)	-50°C to 175°C -58°F to 347°F

Dimensions



Dimensions are measured with nuts in the finger tight position

Inlet	Outlet	Ref.	Orifice size		Cv	h		H		A	
			mm	inch		mm	inch	mm	inch	mm	inch
1/4" Female NPT	1/4" Female NPT	4F-EFD-*	4,57	0,18	0,4			17	0,67	54	2,13
1/4" Male NPT	1/4" Male NPT	4M-EFD-*	4,57	0,18	0,4			17	0,67	54	2,13
1/4" Male NPT	1/4" Female NPT	4M4F-EFD-*	4,57	0,18	0,4			17	0,67	54	2,13
1/4" Male BSPT	1/4" Male BSPT	4MT-EFD-*	4,57	0,18	0,4			17	0,67	54	2,13
1/4" BSPP Male RS	1/4" BSPP Male RS	4MP-EFD-*	4,57	0,18	0,4			17	0,67	52	2,05
1/4" Gazel male	1/4" Gazel male	4V-EFD-*	4,57	0,18	0,4			17	0,67	56,3	2,22
1/4" Sagalok	1/4" Sagalok	4S-EFD-*	4,57	0,18	0,4	14	0,55	17	0,67	60	2,36
1/4" Sagalok adaptor	1/4" Sagalok adaptor	4A-EFD-*	4,57	0,18	0,4			17	0,67	56,5	2,22
1/4" Male NPT	1/4" Sagalok adaptor	4M4A-EFD-*	4,57	0,18	0,4			17	0,67	55	2,17

information:

ROTAREX Group