

pressure regulator made of stainless steel series PR08

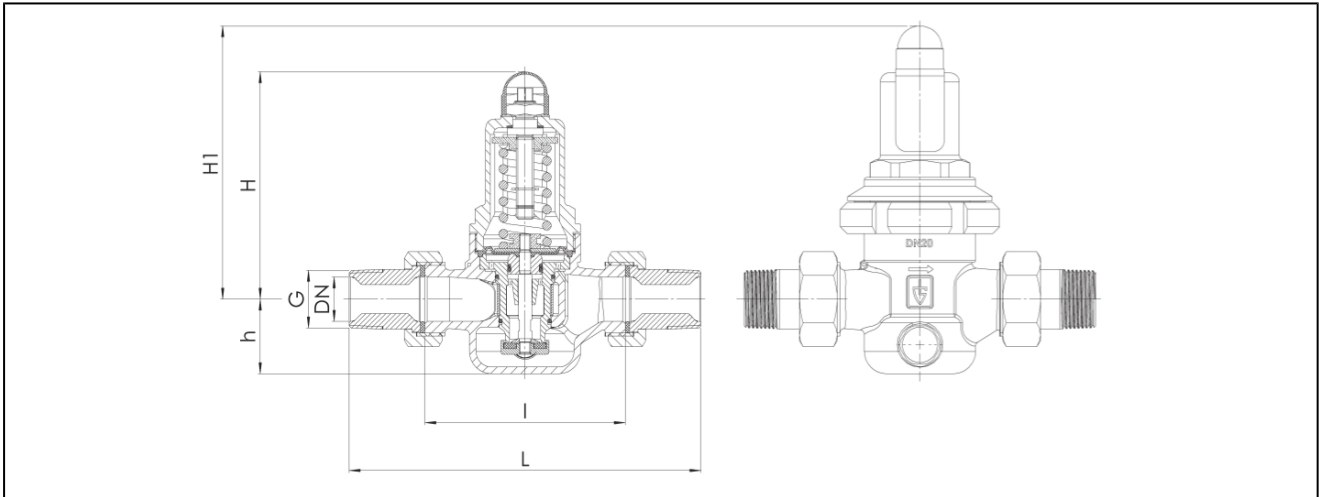


design	pressure regulator without relieving with integrated fine screen at the inlet, screw fitting and swivel nut, pressure adjustment with non rising stem
function	control of outlet pressure
connection	R1/2" ... R2" according to ISO7/1
manometer connection	G1/4" according to ISO228/1
materials	body and spring cover stainless steel AISI 316, detachable nipple stainless steel AISI 316, fine screen AISI 316L, seals and diaphragm FKM respectively EPDM
application	gaseous and liquid fluids which do not affect the used materials (not suitable for steam)
medium temperature	see table
ambient temperature	-10...+95°C
inlet pressure	see table
adjustment range	see table
flow direction	is marked by an arrow
type of fixing	installed into rigid pipework
mounting position	any
scope of supply	without manometer

table:

seal	inlet pressure max. [bar]	adjustment range [bar]	medium temperature [°C]	type
FKM	25	0,5...2	-10...120	PR08...-0.5/2
FKM	40	1...8	-10...120	PR08...-1/8
FKM	40	5...15	-10...95	PR08...-5/15
EPDM	25	0,5...2	-20...120	PR08...-0.5/2-E
EPDM	40	1...8	-20...120	PR08...-1/8-E
EPDM	40	5...15	-20...95	PR08...-5/15-E

dimensions



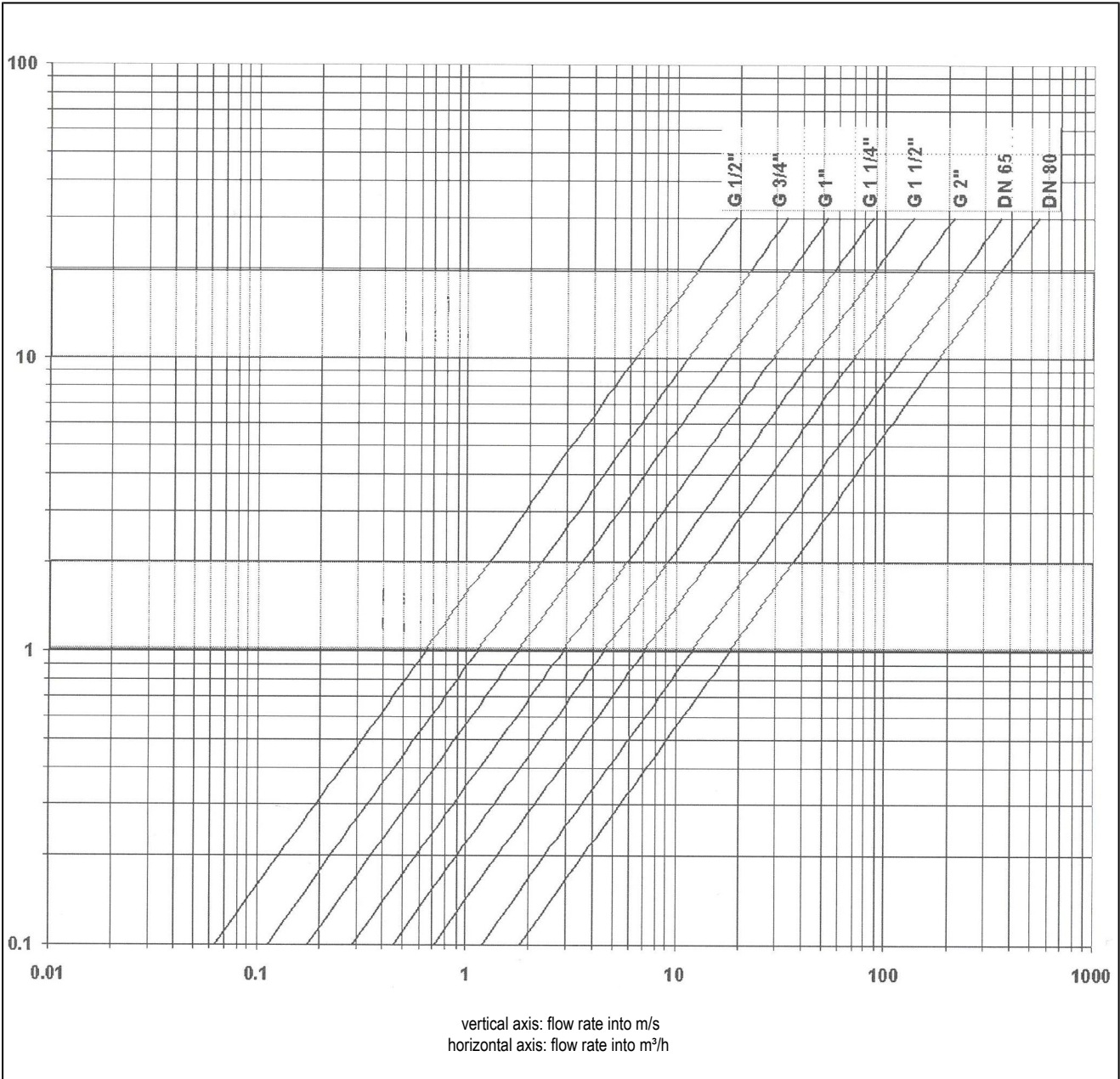
pressure range 1..8bar/5...15bar

G	DN	H	h	l	L	mesh size fine screen [mm]	kv value [m ³ /h]	weight [app. kg]	type
R1/2"	15	102	33	80	142	0,6	3	1,2	PR08-12-1/8(5/15)
R3/4"	20	102	33	90	158	0,6	3,5	1,3	PR08-34-1/8(5/15)
R1"	25	130	45	100	180	0,6	6,7	2,3	PR08-10-1/8(5/15)
R11/4"	32	130	45	105	193	0,6	7,6	2,5	PR08-114-1/8(5/15)
R11/2"	40	165	70	130	226	0,75	12,5	5,2	PR08-112-1/8(5/15)
R2"	50	165	70	140	252	0,75	15	5,7	PR08-20-1/8(5/15)

pressure range 0,5...2bar

G	DN	H1	h	l	L	mesh size fine screen [mm]	kv value [m ³ /h]	weight [app. kg]	type
R1/2"	15	128	33	80	142	0,6	3	1,5	PR08-12-0.5/2
R3/4"	20	128	33	90	158	0,6	3,5	1,6	PR08-34-0.5/2
R1"	25	150	45	100	180	0,6	6,7	2,8	PR08-10-0.5/2
R11/4"	32	150	45	105	193	0,6	7,6	3,0	PR08-114-0.5/2
R11/2"	40	185	70	130	226	0,75	12,5	5,9	PR08-112-0.5/2
R2"	50	185	70	140	252	0,75	15	6,4	PR08-20-0.5/2

flow diagram



for liquids the flow rate should not exceed 2 m/s.
 at compressed air the flow rate should not exceed 20 m/s.
 by using the diagram for compressed air enter flow rate V in working cubic meters/hour. the conversion takes place in working cubic meters by dividing nominal cubic meters by the absolute pressure **absolute pressure = operating pressure + 1 [bar]**.

illustrations are non-binding
 all designs, configurations, measurements and materials are subject to change without prior notice