for pneumatic applications, with self-relieving

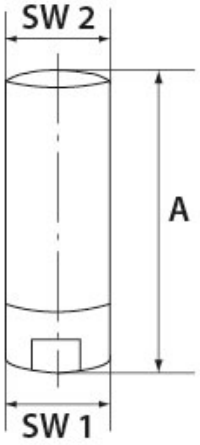
The majority of pneumatic tools are connected directly to the compressed air supply by means of a quick disconnect coupling, in other words they tend to be supplied with a higher pressure than is actually required.
Which increases consumption and leads to tool overload.

Added safety is provided by the automatic self-relieving function. If the tool is disconnected from the hose, it continues to work for a short period, even though it has been switched off, owing to the residual pressure that is present on the tool side. Inadvertent operation of the tool can thus lead to serious injuries to the user (tackers or nail drivers can fire up to another ten shots).

This effect can be prevented by using the inline pressure regulators, which have a preset pressure determined by the application, thereby achieving energy efficiency and economy.

Max. working pressure:	25 bar
Temperature range:	0 °C to 80 °C
Housing:	Aluminium
Other parts:	Stainless steel, nitrile rubber, brass
Medium:	Compressed, atmospheric air

638.02



Inline pressure regulator, 2 x female thread, self-relieving, dependent of inlet pressure

Article No.	Type No.	Thread	Working pressure (preset) bar	Flow rate l/min	SW 1 mm	SW 2 mm	A mm
101474	638.02	G 1/4	2	500	16	19	59.0
101475	638.03	G 1/4	3	550	16	19	59.0
101476	638.04	G 1/4	4	600	16	19	59.0
101477	638.05	G 1/4	5	650	16	19	59.0
101478	638.06	G 1/4	6	700	16	19	59.0
149055	638.07	G 1/4	7	750	16	19	59.0
101479	638.08	G 1/4	8	800	16	19	59.0
101480	638.12	G 3/8	2	1400	22	25	63.0
149056	638.13	G 3/8	3	1600	22	25	63.0
101481	638.14	G 3/8	4	1800	22	25	63.0
149057	638.15	G 3/8	5	2000	22	25	63.0
101482	638.16	G 3/8	6	2200	22	25	63.0
149058	638.17	G 3/8	7	2400	22	25	63.0
101483	638.18	G 3/8	8	2600	22	25	63.0

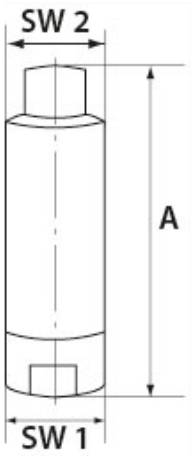
Inline pressure regulators

Article No. 101474 to 101493

RIEGLER

Inline pressure regulator, 2 x female thread, self-relieving, dependent of inlet pressure

Article No.	Type No.	Thread	Working pressure (preset) bar	Flow rate l/min	SW 1 mm	SW 2 mm	A mm
101484	638.22	G 1/2	2	1400	27	30	68.0
149059	638.23	G 1/2	3	1600	27	30	68.0
101485	638.24	G 1/2	4	1800	27	30	68.0
149060	638.25	G 1/2	5	2000	27	30	68.0
101486	638.26	G 1/2	6	2200	27	30	68.0
149061	638.27	G 1/2	7	2400	27	30	68.0
101487	638.28	G 1/2	8	2600	27	30	68.0
149062	638.52	G 3/4	2	2500	34	40	102.0
149063	638.54	G 3/4	4	3200	34	40	102.0
149064	638.56	G 3/4	6	3900	34	40	102.0
149065	638.58	G 3/4	8	4600	34	40	102.0



638.32

Inline pressure regulators, female/male thread, self-relieving, dependent of inlet pressure

Article No.	Type No.	Thread	Working pressure (preset) bar	Flow rate l/min	SW 1 mm	SW 2 mm	A mm
101488	638.32	G 1/4	2	500	16	19	69.0
101489	638.33	G 1/4	3	550	16	19	69.0
101490	638.34	G 1/4	4	600	16	19	69.0
101491	638.35	G 1/4	5	650	16	19	69.0
101492	638.36	G 1/4	6	700	16	19	69.0
149054	638.37	G 1/4	7	750	16	19	69.0
101493	638.38	G 1/4	8	800	16	19	69.0

Type No.	Set pressure [bar]	Primary (inlet) pressure [bar]								
		2	3	4	5	6	7	8	9	10
638.02	2	1.91	2.07	2.16	2.26	2.30	2.38	2.47	2.57	2.69
638.03	3	0.00	3.04	3.01	2.99	2.98	3.19	3.23	3.29	3.38
638.04	4	0.00	0.00	4.06	3.93	3.85	4.12	4.18	4.21	4.28
638.05	5	0.00	0.00	0.00	4.93	5.11	5.19	5.25	5.31	5.37
638.06	6	0.00	0.00	0.00	0.00	6.00	6.47	6.58	6.64	6.69
638.07	7	0.00	0.00	0.00	0.00	0.00	6.91	7.40	7.49	7.51
638.08	8	0.00	0.00	0.00	0.00	0.00	0.00	7.97	8.44	8.57

Pressure loss curves, typical values: