

# AGA PROSAVER®

The new AGA PROSAVER keeps a constant level of gas pressure and flow in the downstream system during the welding process. This prevents pressure and flow surges from being created in the system. Surges can cause gas waste and give rise to a poor weld.

Weld quality and gas consumption are optimized when the new AGA PROSAVER is used as part of the control system.

## Main advantages

- Saved gas during the welding operation of about 40 %\*
- No pressure increases in the downstream equipment during work interruption
- Excellent stability of the outlet pressure
- Ergonomic and robust design
- Designed for MISON® and all other shielding gases
- Ideal for arc welding technology (MIG/MAG/TIG)
- Designed for FORMIER® 10 as backing gas
- Easier setting
- Less cylinder changing
- Safer work
- Ergonomic handwheel for perfect grip
- Made in accordance with standards EN ISO 2503, ISO 5171

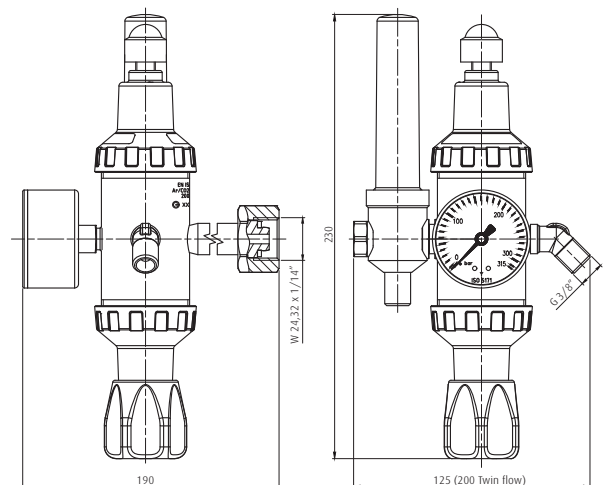


## Product description

	Article number
AGA PROSAVER MISON®/Argon	341460
AGA PROSAVER FORMIER®	341461
AGA PROSAVER MISON®/Argon, Twin flow version	341462

## AGA PROSAVER Spare part

		Article number
PROSAVER gasket	100 pcs	341905
PROSAVER gasket	10 pcs	341906
Inlet pressure gauge	0-315 bar	331294
Flow meter	0-30 l/min	331295
Handwheel		308586



\* The 40 % lower consumption of gas was validated by an independent test executed under following conditions: 600 welded 3 mm long joints ; Gas: Argon; Compared regulator Dincontrol Flow: 17 l/min; Type of welding: MIG

## Technical data

Gas	MISON, Ar, Ar/CO <sub>2</sub>	FORMIER
Body	Brass	Brass
Bonnet	Zn/Al alloy Die Cast	Zn/Al alloy Die Cast
Stems, nut and fitting	Brass	Brass
Diaphragm	EPDM	EPDM
Seat sealing	Pa/Cr	Pa/Cr
Inlet connection	W 24,32 x 1/14" RH	W 24,32 x 1/14" LH
Outlet connection	G 3/8" RH	G 3/8" LH
Max inlet pressure	200 Bar	200 Bar
Flow range	0-30 l/min   2 x 0-30 l/min*	0-30 l/min
Temperature range	From -20 °C to +60 °C	From -20 °C to +60 °C
Weight	Approx. 2,2 kg   3,0 kg*	Approx. 2,2 kg
Pressure relief vavle	Yes	Yes

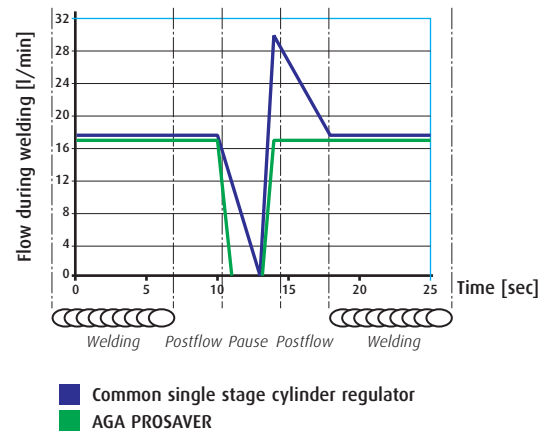
\* Twin flow version.

## The basic principle of gas saving

An unwanted waste of gas can occur very often during welding operations.

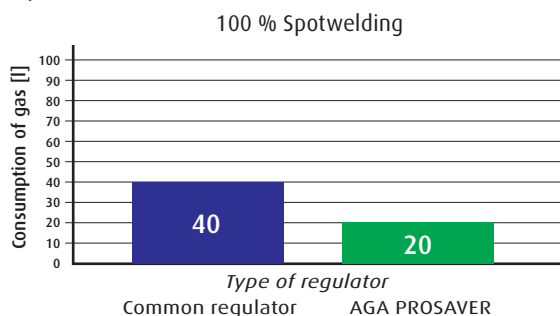
If the gas flow is interrupted with a standard pressure regulator during the welding process, the outlet pressure in the connecting hose increases above the optimal level. When the welding process starts again, the volume of the gas, higher than is really needed, surges through the system to the atmosphere.

AGA PROSAVER minimizes the amount of such wasted gas accumulated in the connecting hoses. Thanks to special technology, the optimal, predefined gas flow is delivered to the welding torch during the entire welding process.

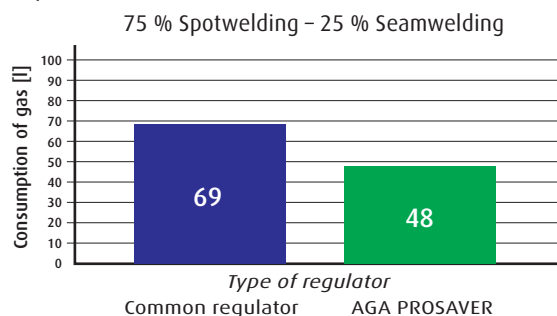


The real amount of the saved gas depends on many factors. To demonstrate how the results differ with processes performed, we undertook various tests. To measure gas consumption, we used a digital counter flowmeter at the welding torch to ensure that the gas flow was the same for both outlet points, the one with AGA PROSAVER and the other with common regulator. During the first test with spot welding operation with AGA PROSAVER a save of 50 % shielding gas was achieved compared to the same operation with a normal outlet point, as reported on Graph 1. During the second test with short welding operation with AGA PROSAVER was achieved a save of 31 % shielding gas compared to the same operation with a normal outlet point, as reported on Graph 2.

Graph 1



Graph 2



Linde Gas AB  
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