



DGT RAP-MIX

Multisensor-controlled rapid gas filling station designed to improve thermal and acoustic properties of insulating glass units by low-loss high performance gas filling with premixed, technical or noble gases (e.g. Argon, SF₆, Krypton or Xenon) for I.G. manufacture on industrial scale with up to 750 units per shift, depending on pane dimensions:

- easy start-up and operation, no external calibration needed
- application of suction control technique for high performance gas filling
- precise gas-sensing proven in more than 1700 installations worldwide
- reliable operation down to 1.2 bar (15 psi) input pressure

Function & Design

Compact and rugged design

Rapid and easy gas filling technique

One-hole and horizontal gas filling possible as well

Automatic gas filling control to minimize gas losses by on-line gas-sensing

Internal sensor gauging and automatic self-test routines, no test gases

On-line mbar pressure sensing for high performance gas filling with suction control

2 independent outputs to reduce cycle time

Lifetime-checked components

Exchange modules and units always on stock Emergency express service

Technical data

| | |
|--------------------------------|--|
| Dimensions (L x W x H), Weight | 860 x 620 x 600 mm, 70 kg |
| Power | 230 V ± 10%, 50 Hz |
| Gas inlet pressure | 4 - 5 bar |
| Ambient temperature | 10 to 40°C |
| Rel. Ambient humidity | max. 80 % |
| Protection | IP 30 / NEMA 1 |
| Filling speed | max. 25 l/min Argon per outlet |
| Mixing accuracy | +/- 3 % absolute with mixes Ar/SF ₆ |

