



Gas Injection Unit

Use Gas Injection Unit

Microdia gas injection unit	High pressure gas injection unit for physical foaming in CATV and DATACOM applications.
Advantage	The conventional Nitrogen dosage is controlled with an accuracy of +/- 1 bar. Gas storage in a sophisticated accumulator provides constant pressure control. Two bottles supply the unit continuously to ensure non-stop operation.
Gas flow at high pressure	This system provides a constant flow to the injection nozzles. The ultrasonic speed in the nozzle is guaranteed at 1.8 x extruder pressure.
OP 7 control panel	Easy operating with the OP 7 operator panel. Pressure information of the bottles pressures, accumulator and set values.
Fault indications	All failures are indicated in the OP 7 display, such as empty bottles and pressure faults.
Injection nozzles	One nozzle is delivered with the gas injection unit to cover one product of the customer. The thread inside the barrel and on the nozzle corresponds to a Dynisco pressure gauge thread.

Characteristics Gas Injection Unit

Technical data

Air drive pressure	4 bar - 11 bar
Air drive connection	min. 1/2 quick connection
N2-cylinder supply	200 bar up to rest pressure 20 bar
Continuous N2	minimum 90 bar
N2-purity	Type 4.6 (99.8%)
N2-hose connection (2 pce)	W24, 32 x 1/14 (DIN 477 Nr. 10)
N2 accumulator	1,5 l 800 bar
N2-connection	M16 x 1,5
Voltage	3 x 400 Volt 60 Hz / 220V 50 Hz
Pressure ratio	$i = 1:150$
Operation pressure P_b	$P_b = i \times P_a$
Air consumption	100 l/min - 1980 l/min
Weight	280 kg
Flow capacity	10 l N2/min
Dimensions (W / D / H)	720 mm / 560 mm / 1230 mm

Options

Nozzles	All sizes in stock (7 - 100 l/h) Special nozzle for Physical Foam FEP (2 - 7 l/h)
Service	Microdia answers your request by fax or E-Mail in 24 hours Technical assistance - Engineering - Commissioning

