

VISION-CORRECTION EXCIMER GAS MIXTURES

CONTROLLED TECHNICAL SPECIFICATION | LATIN AMERICA

Important: the final formulation is specific to the laser manufacturer and model. The cylinder label, quotation and certificate of analysis define the supplied product.

PRODUCT FAMILY	Excimer laser gas mixtures for compatible vision-correction laser systems.
EXCIMER SYSTEM	Argon-fluoride (ArF) mixture for 193 nm operation.
CONSTITUENTS	Argon and fluorine, with helium and neon buffer gases. Exact recipe is laser-model specific.
COMPOSITION	Defined by confirmed order specification; verify against the cylinder label and certificate of analysis.
CYLINDER / VALVE	Size, material, valve and connection are order- and destination-specific. No universal cylinder configuration is implied.
FILL PRESSURE / CONTENTS	Order-specific; shown on the quotation, cylinder label and/or certificate of analysis.
PREPARATION	Manufacturer capability documentation describes cylinder evacuation and individual gravimetric component addition.
QUALITY CONTROL	Manufacturer capability documentation describes individual mixture analysis prior to shipment, supported by FTIR and gas-chromatography laboratory capability.
CERTIFIED SHELF LIFE	Five (5) years from the date of certification, per Nova Gas Quality Director letter dated 8 October 2025.
QUALITY SYSTEM	ISO 9001:2015 - Certificate No. 35944; effective 26 May 2025; expiration 26 May 2028.
COMPATIBILITY	Confirm laser manufacturer, exact model and approved mixture before ordering or connecting a cylinder.
DOCUMENTATION	Cylinder label and certificate of analysis; request the applicable safety data sheet and transport documentation.

ORDERING INFORMATION REQUIRED

Laser manufacturer/model; current label or part number; cylinder and valve details; quantity; destination country.

SAFETY

Hazardous compressed gas. For trained personnel only. Follow label, SDS, COA and laser-manufacturer instructions.