



Reliable purity

of easy to mix gas sterile dose



www.arcadophta.com

Product specifications

The pure gas Arceole is a sterile kit ready to be **mixed** for the endotamponade of the retina.

Arceole enables a safe mixing for use in the operating room.

SELECTION OF GAS DEPENDS ON ITS TAMPONADE DURATION

Gas most frequently used *:

	SF ₆	C_2F_6	C ₃ F ₈
Retinal detachment without proliferative retinopathy			
Proliferative diabetic retinopathy			
Retinal Detachment Macular Hole			
Giant retinal tears			
Proliferative retinopathy			
Penetrating ocular trauma			



- * Retinal Diseases Editor Ryan S. Chapter: Intraocular gases
- Stanley Chang chapter 131 p2121



VERY FREQUENT



DEPENDING ON SITUATION

THANKS TO SPECIFIC CHARACTERISTICS

	Tamponade longevity (days)	Presence in the eye (days)	Slightly expansive concentration %	Non expansive concentration %		
SF ₆	6	15	20-25	20		
C ₃ F ₈	30	60	14-17	12		
The European touch: C₂F₀, the in-between profile*						
C_2F_6	12	30	17-20	16		

Please read carefully the instruction for use.

Eye (Lond). 2000 Jun;14 (Pt 3A):307-12 - Bochow TW & Al. Pneumatic retinopexy perfluoroethane (C_2F_6) in the treatment of rhegmatogenous retinal detachment. Arch Ophthalmol. 1992 Dec;110(12):1723-4

SURGICAL TECHNIQUE GUARANTEES THE TIGHTNESS OF THE EYE

Eyes treated with 23-gauge trans-conjunctival sutureless vitrectomy tend to have earlier gas disappearance or incomplete gas fill. Intraoperative suture placement would be a solution.*

*Kusuhara S & Al. Intraocular gas dynamics after 20-gauge and 23-gauge vitrectomy with sulphur hexafluoride gas tamponade. Retina. 2011 Feb;31(2):250-6

^{*} The C_2F_6 gas has the same efficiency and safety than C_3F_8 with a shorter tamponade time. C_2F_6 in the treatment of retinal detachment associated to PVR therapeutic trial - 1992, 15, 11, p601-604 - O. MOURIES.

⁻ Ellis JD & Al. Surgery for full-thickness macular holes with short-duration prone posturing: results of a pilot study.

Gas safety issues

- The realisation of a perfect non expansive mixing
- The purity all along the shelf life
- A total asepsis
- Clear information to the patient

Arcad safety response

A sterile kit includes all pre-mounted accessories (validated $0.22\mu m$ filter, syringe and needle) for a complete safety and comfort of use

With Arcad, the guarantee of:

PERFECT MIXING:

- Purity guaranteed all along the shelf life
- A minimum of people in the preparation process
- Clear information on the packaging avoid potential mixing mistakes

Non Expansive 16 % Mix ARCEOLE Make your Non Expansive 16 % Mix Expansive 16 % Mix

GUARANTEE OF PURITY:

Thanks to canisters technology, the reliability of the gas purity allows a perfect dosage answering the needs of the surgeon throughout the shelf life of the product.



- Two low-pressurized gas chambers around and inside the pouch to avoid permeation.
- A four layer internal pouch to preserve the gas from varnish interactions and impurities.
- Filling technology guarantees pure gas in the canister
- ARCADOPHTA container prevents gas leakage and air permeation compared to prefilled syringe at atmospheric pressure with polymer plunger.*
- Avoids vaporization of gas impurities contained in liquified gas tank.
- The soon to be released revision of ISO 16672-2019 standard (endotamponade) refers to the bottle minimum utilization pressure below which the gas shall not be used.

 $^\star Humayun$ MS, Yeo JH, Koski WS, Michels RG. The rate of sulfur hexafluoride escape from a plastic syringe. Arch Ophthalmol. - 1989 Jun;107(6):853-4

AVOID LACK OF INFORMATION TO THE PATIENT:

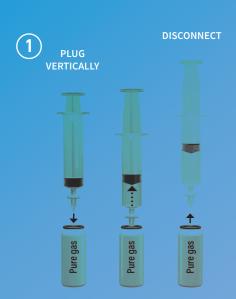
A wrist band and a patient card containing all the precautions the patient must follow during the endotamponade.

Arcadophta provides a multilingual website for patient recommendations : www.ophgas.com







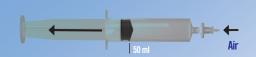


Instructions for use









Arcad added value

N°1 OF THE GAS KIT SALES WORLDWIDE

- Save your team time for the preparation.
- · Save the purchasing management time.
- No investment needed for regulator-manometer, no maintenance, no added spare part, no over stock. 13485-2016
- Legal status of the product in ophthalmology, reduces the responsability of the hospital and surgeon.
- ARCEOLE is the N°1 of the gas kit sales worldwide.
- More than 18 years experience in ophthtalmology.
- Certified production based on the last ISO 13485-2016.
- Manufactured in France.





Safety first for our product line







ARCIOLANE

VACATIUE - VACOTAUE

MONO3LUE

OP'COVER

Fractionnated and purified silicone oil

Heavy liquids for ophthalmic surgery

Ultra-purified trypan blue

Corneal protection



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