

## **HDR - IORT Remote Afterloading**

# **Delivery of HDR - IORT for Advanced Tumors Via Remote Afterloading**

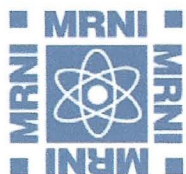
**(Harrison-Anderson-Mick)**

**The H.A.M. Applicator Facilitates Delivery of HDR Intraoperative  
Radiation Therapy (HDR-IORT) for Superficial and  
Advanced Tumors Via Remote Afterloading.**



**H.A.M. Applicators are compatible with all of today's  
Remote Afterloading HDR Systems and the Applicators can be made to  
specifications with or without embedded catheters.**

***We can manufacture the H.A.M. Applicators to suit your needs!***



An ISO 13485:2003 Certified Company

**Mick Radio-Nuclear Instruments, Inc.**

*"The Brachytherapy Company"*



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Radiation Oncology Equipment and Services



# H.A.M. Applicators

## Primary Treatment Sites

*Advanced or Recurrent Colorectal Cancer,  
Advanced Tumors of the Pelvis or  
Retroperitoneum, Chest Wall Sarcomas and  
Superficial Tumors.*

## Description

The H.A.M. APPLICATOR, consists of a flexible pad of Silicone Rubber that is 8 mm thick. An array of catheters are embedded parallel to each other spaced 10 mm apart while a consistent source-to-tissue distance of 5 mm is maintained. Because of its flexibility, the H.A.M. Applicator easily conforms to the shape of surfaces to which it is applied.

H.A.M. Applicators are manufactured to be compatible with today's remote afterloading systems and the applicators can be "tailor made" to provide optimal treatment area coverage.

H.A.M Applicators are provided with or without embedded catheters. Embedded catheters are 130 cm long and connect directly to the remote afterloader's indexer.



## Standard H.A.M. Applicator Sizes:

Cat. #	# Channels	Size (cm)
Cat. # 9102-03	3 channels	4 x 22 x 0.8
Cat. # 9102-06	6 channels	7 x 22 x 0.8
Cat. # 9102-09	9 channels	10 x 22 x 0.8
Cat. # 9102-12	12 channels	13 x 22 x 0.8
Cat. # 9102-15	15 channels	16 x 22 x 0.8
Cat. # 9102-18	18 channels	19 x 22 x 0.8
Cat. # 9102-21	21 channels	22 x 22 x 0.8
Cat. # 9102-24	24 channels	25 x 22 x 0.8

## Recommended Sterilization Procedure

Ethylene Oxide	90% HCFC / 10% ETO mixture
Time:	2 hours and 10 minutes
Max. Vacuum:	26.6 inches Hg @ 130°F
Pressure:	11 PSI
Aeration Time:	24 Hours @ 130° F

## Sterrad Sterilization

STERRAD: One full cycle consisting of the following:

- Vacuum
- 1st Injection Stage
- 1st Diffusion Stage
- 1st Gas Plasma Stage
- 2nd Injection Stage
- 2nd Diffusion Stage
- 2nd Gas Plasma Stage
- Venting

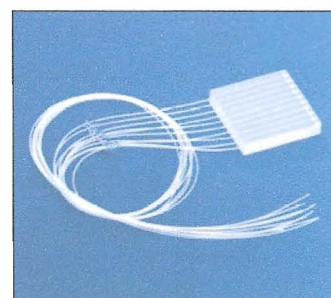
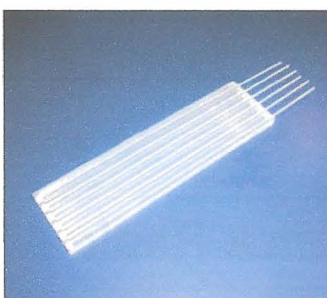
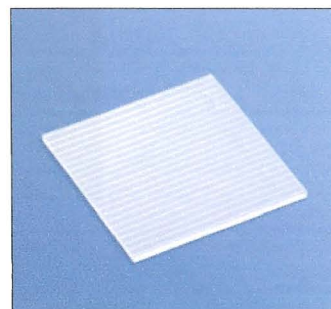
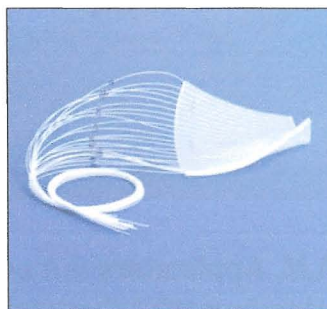
## Material Specifications

Material:	Silicone Rubber (LSR)
Specific Gravity:	1.09
Cytotoxicity:	Non-Toxic

## Technical Specifications

Standard H.A.M. Applicators are 0.8 cm thick and 22 cm long. Embedded catheters are parallel and spaced 10 mm apart while center of source to skin distance is 5 mm ascertaining uniform dose distribution.

## Standard & Custom made H.A.M. Applicators obtainable with or without embedded Catheters



**CAUTION: DO NOT AUTOCLAVE  
H.A.M. Applicators with Embedded Catheters**

For further information or a quotation please contact : Colin Walters



**SeeDOS**<sup>UK</sup>

Radiation Oncology Equipment and Services

26, The Maltings, Leighton Buzzard, Bedfordshire LU7 4BS, United Kingdom

Tel: +44 1525 850670 Fax: +44 1525 850685 Email: cwalters@seedos.com

Website: [www.seedos.com](http://www.seedos.com) Mobile: +44 07701059163