Data Sheet...

7450 Series V2™ Mask
ORO-NASAL Custom Mask Adapters & Valve Applications
REUSABLE

Large, Medium, Small, Extra Small, Petite

Oro-Nasal 7450 V2 Mask™ with Headgear and 2700 2-Way T-Shape™ Non-Rebreathing Valve

Oro-Nasal 7450 V2 Mask™ with Headgear and Custom Mask Adapter

Oro-Nasal 7450 V2 Mask™ with Headgear and 2730 2-Way Y-Shape™ Non-Rebreathing Valve

Product Features

- **Five Sizes** of Face Pieces to cover a wide range of patient sizes.
- **Face Piece with New Facial Sealing Flange** is a single piece mask, made of clear soft Silicone Rubber.
- **Anatomically Contoured Face Mask design** with resilient ribbed support structure for a leak free comfortable fit and integrated Chin Cup for stability.
- **Easily adjustable, light weight, 5 strap Headgear** for patient comfort, available in three sizes.
- **New Quick- Release Strap Clips** for quick and simple mounting and dismounting of Headgear.
- **Reusable mask face pieces**; steam autoclaveable, cold chemical, pasteurization and dishwasher safe.
- **Reusable NRB Valves** validated for high level disinfection by cold chemical.
- **NRB Valves available in T & Y Shape** in several sizes covering a full patient range.
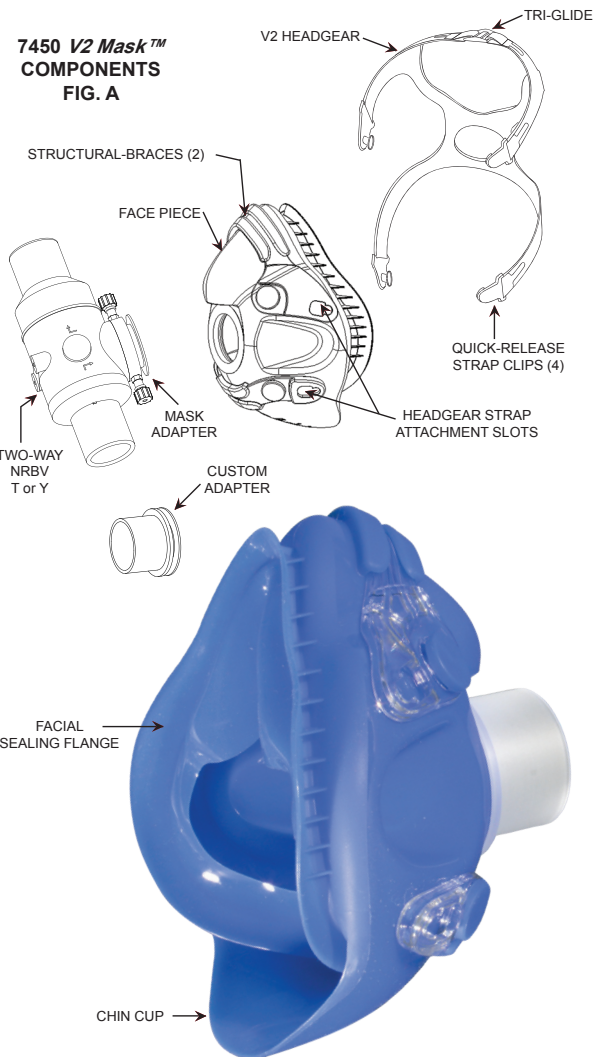- **Custom mask Adapters** designed and manufactured per your request

SPECIFICATIONS

7450 V2 Mask™ COMPONENTS FIG. A

MATERIALS (See Fig. A)	
Face Piece with Structural Braces	Silicone Rubber Blue, Polycarbonate Thermoplastic
Headgear	Polyurethane Foam Black, Nylon UBL Gray and Nylon Fabric Red
Headgear Hook	Nylon, Black
Headgear Strap Clips (4), Tri-glide	Polypropylene, Black
Custom Mask Adapters	Polycarbonate Thermoplastic
Two Way Non-Rebreathing Valves (NRBV)	Refer to NRBV Data Sheets

Intended Use:

- The Hans Rudolph 7450 series V2 Mask face piece is designed for use with the Hans Rudolph Two-Way Non-Rebreathing Valves (NRBV) and other mask adapters designed for respiratory circuits with spontaneously breathing patients where the application requires a valve to separate the patient's inspiratory and expiratory flows or a special connector to mate directly to a respiratory flow meter or other device. The typical mouthpiece and nose clip is replaced by this face mask assembly and headgear. The masks and valves are supplied clean, non sterile. Typical applications are for pulmonary function testing, exercise testing and respiratory research. These mask valves are classified as reusable and can be high level disinfected.

Environment of Use:

- This mask series is for use in hospitals and other clinical settings by individuals that have at least minimal instructions or training on the use of the mask as well as the device to which the mask are intended to connect.

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Mask and Headgear Service Life:
- The Mask is expected to stay in service for minimum of 25 disinfection or sterilization cycles or 6 months of use under normal conditions, whichever occurs first. The Headgear is expected to stay in service for 6 months of use.

Operational conditions for use:
- Temperature range: 5-40 C
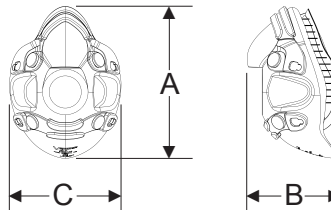- Humidity range: 0-95% RH

Cleaning and Disinfection:
- For cleaning and disinfection care be sure you fully comprehend our cleaning Data Sheet 691195.

Cautions:
- Federal Law restricts this device to sale by or on the order of a physician.
- Patients with facial hair, especially beards, may experience mask leakage which may require shaving the hair.
- Do not use these valves in a life support system such as a ventilator circuit.

Characteristic	Mask face Piece Sizes				
	Large (L)	Medium (M)	Small (S)	Extra Small (ES)	Petite (P)
A (inches)	5.9	5.6	5.2	4.8	4.6
B (inches)	3.7	3.4	3.2	3.1	3.0
C (inches)	4.2	4.2	4.0	3.9	3.9
Deadspace (ml)	143	125	99	88	78
Weight (gm)	128	118	100	89	83

MASK SIZING GAUGE
P/N 691143

ORDERING INFORMATION - 7450 Series Reusable V2™ Oro-Nasal Mask, Custom Adapters, Valve Applications & Headgear (HG)

Order Numbers for 7450 V2™ Series Face Pieces & Headgears			
Ordering Part Number	**Mask Face Piece with Braces Only** Silicone Rubber No Adaptor or Headgear Included	**Ordering Part Number**	**V2™ Headgear** Gray and Red Foam Tri-glide Headgear with Clips
669195	Large (L)	201492	Small (use with ES & P Masks)
669196	Medium (M)	201493	Medium (use with S & M Masks)
669197	Small (S)	201494	Large (use with L Mask)
669198	Extra Small (ES)		
669199	Petite (P)		

7450 V2™ Series Face Masks close coupled to HRI 2700 Large Two-Way Non Rebreathing T-Shaped™ Valves (NRBV) (includes V2™ foam headgear, and polycarbonate mask adapter with two female luer sample ports)	
Ordering Part Number	**Face Mask size & Large Two-Way NRB T-Shaped™ Valve** (includes Headgear)
113639	7450 LARGE Mask with 2700 Large Two-Way T-Shape™ NRBV (includes Headgear)
113640	7450 MEDIUM Mask with 2700 Large Two-Way T-Shape™ NRBV (includes Headgear)
113641	7450 SMALL Mask with 2700 Large Two-Way T-Shape™ NRBV (includes Headgear)
113642	7450 EXTRA SMALL Mask with 2700 Large Two-Way T-Shape™ NRBV (includes Headgear)
113643	7450 PETITE Mask with 2700 Large Two-Way T-Shape™ NRBV (includes Headgear)
Please contact HRI for Order Numbers and Prices for other configurations of 7450 V2™ Series Mask sizes with other 2-Way Valve types and sizes. Refer to Catalog tab 2 for 2-Way NRBV Data Sheets.	

7450 V2™ Series Face Masks close coupled to HRI 2730 Large Two-Way Non Rebreathing Y-Shaped™ Valves (NRBV) (includes V2™ foam headgear, and polycarbonate mask adapter with two female luer sample ports)	
Ordering Part Number	**Face Mask size & Large Two-Way NRB Y-Shaped™ Valve** (includes Headgear)
113644	7450 LARGE Mask with 2730 Large Two-Way Y-Shape™ NRBV (includes Headgear)
113645	7450 MEDIUM Mask with 2730 Large Two-Way Y-Shape™ NRBV (includes Headgear)
113646	7450 SMALL Mask with 2730 Large Two-Way Y-Shape™ NRBV (includes Headgear)
113647	7450 EXTRA SMALL Mask with 2730 Large Two-Way Y-Shape™ NRBV (includes Headgear)
113648	7450 PETITE Mask with 2730 Large Two-Way Y-Shape™ NRBV (includes Headgear)
Please contact HRI for Order Numbers and Prices for other configurations of 7450 V2™ Series Mask sizes with other 2-Way Valve types and sizes. Refer to Catalog tab 2 for 2-Way NRBV Data Sheets.	

Custom Mask Adapters MATE all sizes of the 7450 V2™ Series Face Masks (polycarbonate material & rigid type non-swivel for leak free connection, MGC adapter uses a custom silicone seal)	
Ordering Part Number	**Device Description that Custom Adapter MATES TO:** (for direct connection to face mask)
612864	Adapter to SENSORMEDICS Corp (Viasys) Thermal Mass Flow Sensor
612399	Adapter to JAEGER Triple-V Turbine pneumotach
201003	Adapter to MEDICAL GRAPHICS Corp Flow Sensor (Prevent™), (includes female luer sample port)
201519	Adapter to SCHILLER Flow Sensor (includes female luer sample port)
Please contact HRI for Order Numbers and Prices for other custom adapters to HRI face masks or to specify a custom adapter for your device.	

7450 V2™ Series Face Mask Adapters to connect to 2700 or 2730 Non-Rebreathing Valves (NRBV) or Rudolph Linear PNTs (ID O-ring SSF (slip-sealing fit) or Medical Taper create a firm but rotational leak-free fit to the mating PNT or other device)	
Ordering Part Number	**Device Description that Adapter MATES TO:** (polycarbonate material for direct connection to face mask)
200583	Adapter to 2700 or 2730 Two-Way NRBV & 7450 V2™ Series Face Mask (includes 2 female luer sample ports)
612738	Adapter to 2700 or 2730 Two-Way NRBV & 7450 V2™ Series Face Mask (no sample ports)
CC1748	Adapter with 35mm ID O-ring SSF, will mate with 3813 or 3830C PNT (includes 2 female luer sample ports)
CC1265	Adapter with 35mm ID O-ring SSF, will mate with 3813 or 3830C PNT (no sample ports)
CC1734	Adapter with 28.6mm ID O-ring SSF, will mate with 3830A PNT (includes 2 female luer sample ports)
CC1267	Adapter with 28.6mm ID O-ring SSF, will mate with 3830A PNT (no sample ports)
201144	Adapter with 22mm ID Medical Taper, will mate with 3700 or 3500 PNT (includes 2 female luer sample ports)
612462	Adapter with 22mm ID Medical Taper, will mate with 3700 or 3500 PNT (no sample ports)
Please contact HRI for Order Numbers and Prices for other 2-Way NRBV adapters to HRI face masks or to specify a different material or custom adapter.	

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