



MAKERS OF RESPIRATORY VALVES SINCE 1938

**HANS RUDOLPH, inc.**

www.rudolphkc.com

TEL: (913) 422-7788

U.S.A. & CANADA: (800) 456-6695

FAX: (913) 422-3337

E-Mail: hri@rudolphkc.com

8325 COLE PARKWAY, SHAWNEE, KANSAS 66227 U.S.A.

# 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

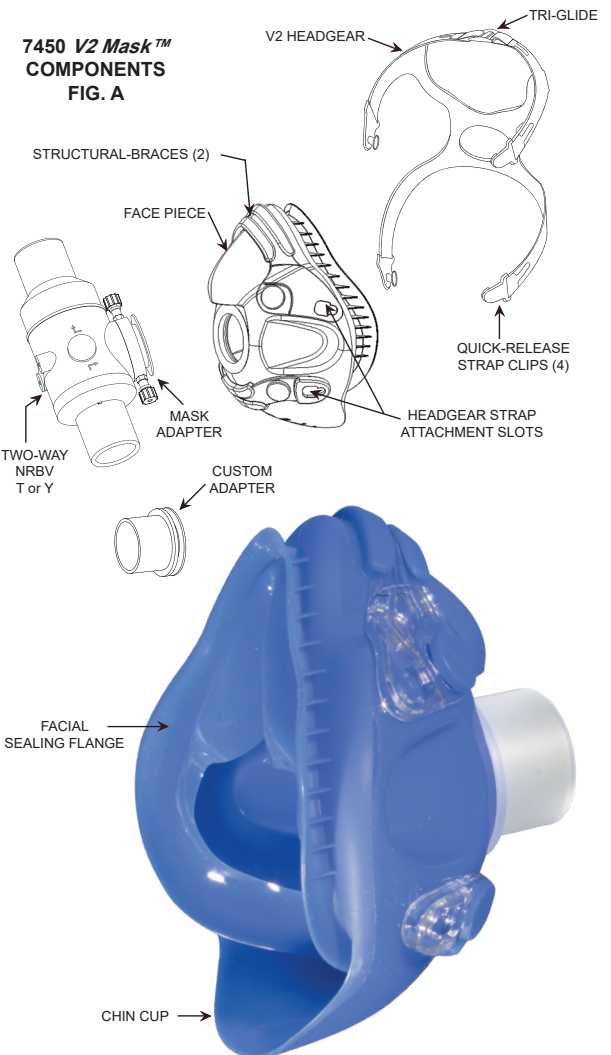
- **Five Sizes** of Face Pieces to cover a wide range of test subject sizes.
- **Face Piece with New Facial Sealing Flange** is a single piece mask, made of clear soft Silicone Rubber.
- **Anatomically Contoured Face Mask design with resilient ribbed support structure** for a leak free comfortable fit and integrated Chin Cup for stability.
- **Easily adjustable, light weight, 5 strap Headgear** for test subject 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 test subject range.
- **Custom mask Adapters** designed and manufactured per your request

### SPECIFICATIONS

MATERIALS (See Fig. A)	
Face Piece with Structural Braces	Silicone Rubber Blue, Polycarbonate Thermo-plastic
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, Silicone Rubber
Two Way Non-Rebreathing Valves (NRBV)	Refer to NRBV Data Sheets

### Intended Use:

- Hans Rudolph, Inc., 7450 series V2 mask with two-way non-rebreathing valve are intended for use as scientific tools or components for life science applications in educational and research environments. 7450 series V2 mask with two-way non-rebreathing valve are intended to be used under the supervision of an appropriately qualified life science researcher.
- 7450 series V2 mask with two-way non-rebreathing valve are not intended to be used in clinical medical applications to diagnose, prevent, monitor, predict, prognosis, treat, alleviate, or compensate for a disease, injury, or disability.



•Specifications subject to change without notice•

US Pat No's D573,709 & 8,136,523 and EC Reg'd Design No. 000780556-0001

### 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

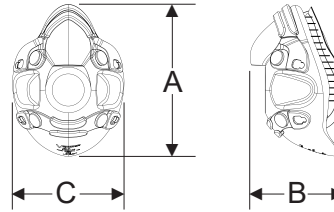
### Cleaning and Disinfection:

- For cleaning and disinfection information refer to our Instructions for Use 691194 (mask) or 691200 (valve)

### Cautions:

- Test subjects 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)
<b>A (inches)</b>	5.9	5.6	5.2	4.8	4.6
<b>B (inches)</b>	3.7	3.4	3.2	3.1	3.0
<b>C (inches)</b>	4.2	4.2	4.0	3.9	3.9
<b>Deadspace (ml)</b>	143	125	99	88	78
<b>Weight (gm)</b>	128	118	100	89	83



### ORDERING INFORMATION - Order Masks, Headgear, Mask Adapter and Valves Separately

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)		

RUDOLPH Two-Way Non-Rebreathing Valves LESS the Mouthport for use with all Rudolph Face Masks	
Ordering Part Number	Valve size & Sub Assembly Complete (less mouthport)
200238	1410 - T Shape, Small (112626) 22mmOD/15mmID ports, Sub Assembly complete valve <b>less mouthport</b>
200245	1410 - T Shape, Small (112622) 1"OD/22mmID ports, Sub Assembly complete valve <b>less mouthport</b>
201227	1420 - Y Shape, Small (112630) 22mmOD/15mmID ports, Sub Assembly complete valve <b>less mouthport</b>
202228	1420 - Y Shape, Small (112632) 1"OD/22mmID ports, Sub Assembly complete valve <b>less mouthport</b>
200182	2600 - T Shape, Medium (112078) 1.375"OD/1.125"ID ports, Sub Assembly complete valve <b>less mouthport</b>
201229	2630 - Y Shape, Medium (112418) 1.375"OD/1.125"ID ports, Sub Assembly complete valve <b>less mouthport</b>
200183	2700 - T Shape, Large (112079) 1.375"OD/1.125"ID ports, Sub Assembly complete valve <b>less mouthport</b>
201230	2730 - Y Shape, Large (112414) 1.375"OD/1.125"ID ports, Sub Assembly complete valve <b>less mouthport</b>

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.

Custom Mask Adapters MATE all sizes of the 7450 V2™ Series Face Masks (Flexible types are molded of Silicone Rubber others are machined from Polycarbonate Plastic)	
Ordering Part Number	Component Description that Custom Adapter MATES TO: (for direct connection to face mask)
602048	Adapter, Flexible Type, CAREFUSION VmaxMFS, Oxycon/Masterscreen DVT & Vyntus DVT Flow Sensor
602068	Adapter, Flexible Type, MEDICAL GRAPHICS Corp Prevent™ Flow Sensor
201519	Adapter to SCHILLER Flow Sensor (includes female luer sample port) (RIGID MACHINED)

Please contact HRI for Order Numbers and Prices for other custom adapters to HRI face masks or to specify a custom adapter.

7450 V2™ Series Face Mask Adapters to connect to 2700/2730, 2600/2630 or 1410/1420 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 component)	
Ordering Part Number	Component 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)
612221	Adapter, Extended Length, to 2700 or 2730 Two-Way NRBV & 7450 V2™ Series Face Mask (no sample ports)
612222	Adapter, Extended Length, to 2600 or 2630 Two-Way NRBV & 7450 V2™ Series Face Mask (no sample ports)
200584	Adapter to 2600 or 2630 Two-Way NRBV & 7450 V2™ Series Face Mask (includes 2 female luer sample ports)
612781	Adapter to 2600 or 2630 Two-Way NRBV & 7450 V2™ Series Face Mask (no sample ports)
612244	Adapter, Extended Length, to 1410 or 1420 Two-Way NRBV & 7450 V2™ Series Face Mask (no sample ports)
200585	Adapter to 1410 or 1420 Two-Way NRBV & 7450 V2™ Series Face Mask (includes 2 female luer sample ports)
612782	Adapter to 1410 or 1420 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.