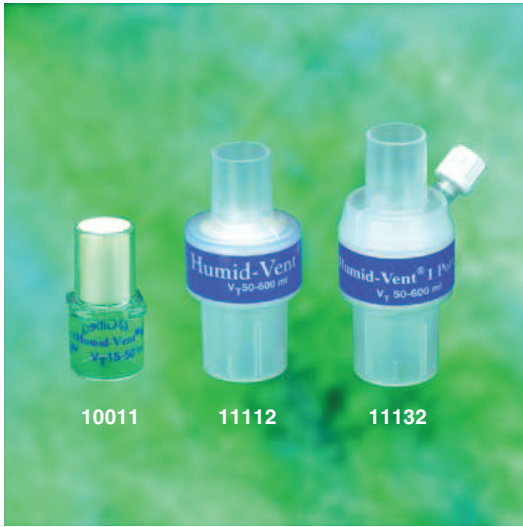


HUMID-VENT®



HUMID-VENT Mini

Designed specifically for neonatal patients.

- Standard 15mm I.D. x 15mm O.D. connector
- Provides over 30 mgH₂O/L @ Vt 20mL
- Only 2.4mLs of added dead space
- Only available sterile

HUMID-VENT 1

With over 25 years of proven clinical experience, the HUMID-VENT 1 is the original, single-use, in-line HME.

- Recommended for tidal volumes between 50mL and 600mL
- Offers low resistance to flow
- Available in two configurations, with and without CO₂ port
- Individually packaged, case quantities listed below

HUMID-VENT
hygroscopic,
bacteriostatic,
microwell paper media
provides optimal
moisture output with
low-flow resistance.

Offered in
configurations to meet
all patient size, tidal
volume, and
humidification needs.



HUMID-VENT 2

The HUMID-VENT 2 is designed in both angled and straight versions for use in intensive care and anesthesia applications.

- Recommended for tidal volumes between 150mL and 1500mL
- Transparent housing provides excellent visibility
- Very low resistance to flow
- HUMID-VENT 2S Flex configurations include permanently attached 15mm I.D. SMOOTH-FLO® tube with rigid patient connector
- 17731 is provided sterile for head and neck surgery
- Individually packaged, case quantities listed below

**HMEs,
HCHs
& Filters**

Cat. No.	Description	TV Range (mL)	Moisture Output (mgH ₂ O/L)	Weight (grams)	Resistance (cmH ₂ O)	Dead Space (mL)	Case Qty.
10011	HUMID-VENT Mini	15 – 50	30, Vt = 20mL	4.5	0.9, 10 LPM	2.4	30
11112	HUMID-VENT 1	50 – 600	30.5, Vt = 0.2L	9.4	0.3, 20 LPM	10	50
11132	HUMID-VENT 1 Port	50 – 600	30.5, Vt = 0.2L	11.6	0.3, 20 LPM	14	25
13312	HUMID-VENT 2 Port	150 – 1500	28, Vt = 0.6L	20.9	0.8, 60 LPM	29	20
14412	HUMID-VENT 2S	150 – 1500	28, Vt = 0.6L	19.8	0.8, 60 LPM	29	20
17731	HUMID-VENT 2S Flex Sterile	250 – 1500	29, Vt = 0.6L	26.4	0.8, 60 LPM	54	20
17732	HUMID-VENT 2S Flex	250 – 1500	29, Vt = 0.6L	26.4	0.8, 60 LPM	54	20

Combined HUMID-VENT® HME / Filters



Filter Pedi

- Combined filter/HME for children 16-80 lbs.
- Ideal for ICU and anesthesia use
- Provides 99.99+% bacterial/viral efficiency

HUMID-VENT Filter Small

- Extremely small combined filter/HME for tidal volumes of 150mL - 1000mL
- Only 27mL dead space with 30mg/L moisture output at 500mL tidal volume
- Bacterial efficiency 99.9999%; viral efficiency 99.99%

HUMID-VENT Filter Compact

- Mid-sized combined filter/HME for tidal volumes up to 1000mL
- Only 38mL dead space with 30mg/L moisture output at 1000mL tidal volume
- Bacterial efficiency 99.9999%; viral efficiency 99.99+%

HUMID-VENT Filter Light

- Designed to accommodate tidal volumes from 250mL - 1500mL
- Weighs only 30 grams
- Two configurations to meet varying clinical needs of anesthesia and intensive care patients
- 30mg/L moisture output at 1200mL tidal volume
- Bacterial efficiency 99.9999%
- Viral efficiency 99.99+%

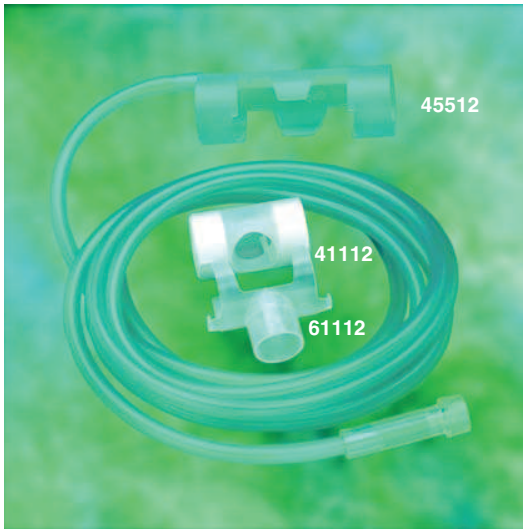
The HUMID-VENT combined filter/HME product line offers solutions to meet the needs of both anesthesia and intensive care.

- Bi-directional filtration offers both patient and equipment protection from airborne pathogens
- Available in a variety of sizes to meet all clinical situations
- All units feature outstanding moisture output, low resistance to flow and minimal deadspace
- Individually packaged, case quantities listed below



Cat. No.	Description	TV Range (mL)	Moisture Output (mgH ₂ O/L)	Weight (grams)	Resistance (cmH ₂ O)	Dead Space (mL)	Case Qty.
11012	HUMID-VENT Filter Pedi	50 – 250	30, Vt = 0.1L	14.5	1.4, 20 LPM	13.0	20
18502	HUMID-VENT Filter Small, Angled	150 – 1000	30, Vt = .5L	22.0	2.1, 30 LPM	27	20
19502	HUMID-VENT Filter Small, Straight	150 – 1000	30, Vt = .5L	21.0	2.1, 30 LPM	26	20
18402	HUMID-VENT Filter Compact, Angled	150 – 1000	30, Vt = 1.0L	32.3	1.8, 60 LPM	38	25
19402	HUMID-VENT Filter Compact, Straight	150 – 1000	30, Vt = 1.0L	31.0	1.8, 60 LPM	35	25
18832	HUMID-VENT Filter Light, Angled	250 – 1500	30, Vt = 1.2L	30.0	2.0, 60 LPM	60	20
19932	HUMID-VENT Filter Light, Straight	250 – 1500	30, Vt = 1.2L	30.0	2.0, 60 LPM	60	20

TRACH-VENT® HMEs



TRACH-VENT HME

Recommended for tidal volumes of 50mL and above.

- For use on both pediatric and adult patients
- Weighs only 4.0 grams with 10mL dead space
- TRACH-VENT holder conveniently attaches TRACH-VENT to tracheostomy or endotracheal tube, allowing it to easily be removed and replaced during suctioning or change-out
- OXY-VENT® snaps over TRACH-VENT to allow delivery of supplemental oxygen

Cat. No. 41112

TRACH-VENT HME

- Individually packaged 50 to a case

Cat. No. 61112

TRACH-VENT Holder

- Individually packaged 30 to a case

Cat. No. 45512

OXY-VENT with Tubing

- Includes supplemental oxygen tubing and OXY-VENT adaptor
- Individually packaged 10 to a case

The TRACH-VENT HME and accessory products are designed specifically for tracheostomized or intubated, spontaneously breathing patients.

Cat. No. 41172

Starter Kit

- Includes 3 TRACH-VENT HMEs
- 1 OXY-VENT
- 1 Holder
- Individually packaged 6 kits to a case



TRACH-VENT+ HME

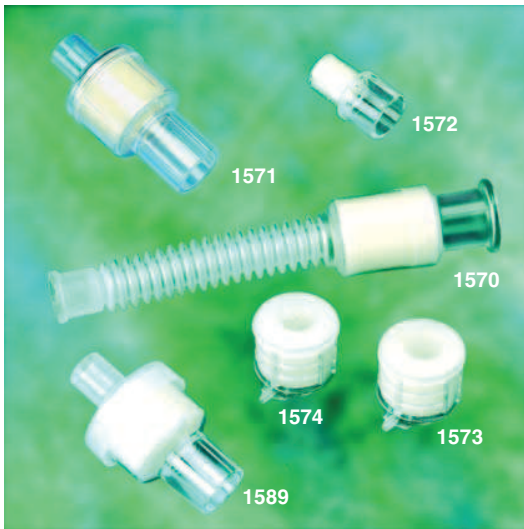
Cat. No. 41312

- Compact, lightweight HME for spontaneously breathing patients
- Includes convenient, self opening/closing suction port
- Integral oxygen port allows delivery of supplemental oxygen when needed
- Weighs only 6.5 grams
- Individually packaged 50 to a case

**HMEs,
HCHs
& Filters**

Cat. No.	Description	TV Range (mL)	Moisture Output (mgH ₂ O/L)	Weight (grams)	Resistance (cmH ₂ O)	Dead Space (mL)	Case Qty.
41112	TRACH-VENT	>50mL	27, Vt = 0.5L	4.0	0.25, 30 LPM	10	50
41312	TRACH-VENT+	>50mL	27, Vt = 0.5L	6.5	0.25, 30 LPM	10	50

AQUA+® HCHs



AQUA+ HCH

AQUA+ HCH line utilizes a fiber-free, cellular hygroscopically treated media, and is available in a variety of configurations to meet a wide range of clinical needs.

- AQUA+ T and TS models, designed for spontaneously breathing tracheostomy patients, include built-in supplemental oxygen port
- AQUA+ TS includes port for convenient suctioning
- AQUA+ Flex one-piece construction with flexible tubing aids in patient positioning
- AQUA+ N is ideal for neonate and infant patients
- AQUA+ 1HS and AQUA+ are designed for most adult and pediatric applications
- Individually packaged, case quantities listed below

AQUA+ HCH

incorporates the latest advances in material technology to provide optimal moisture output, minimal dead space and low resistance to flow.



AQUA+ Swivel HCH

AQUA+ swivel allows 360 degrees of flexibility in positioning patient and HCH, minimizing torque.

- Available in filtered and unfiltered versions
- Includes integral gas sampling port and sampling line holder
- AQUA+ FHY and HY incorporate built-in patient wye

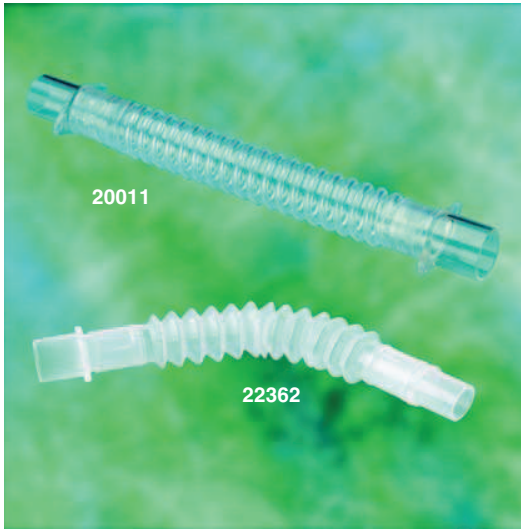
AQUA+ 1-2-3

All versions have angled patient connections and include a CO₂ monitoring port to eliminate the need for separate gas sampling elbow.

- Integral gas sampling line holder included
- Available in filtered and unfiltered versions
- Individually packaged, case quantities listed below

Cat. No.	Description	TV Range (mL)	Moisture Output (mgH ₂ O/L)	Weight (grams)	Resistance (cmH ₂ O)	Dead Space (mL)	Sampling Port	Filter	Case Qty.
1570	AQUA+ Flex	300 – 1500	30, Vt = .5L	16.0	2.8, 60 LPM	54			20
1571	AQUA+	150 – 1000	28, Vt = .5L	11.0	2.6, 60 LPM	24			30
1572	AQUA+ N	10 – 50	30, Vt = 25mL	3.5	1.8, 15 LPM	2			50
1573	AQUA+ T	75 – 1000	24, Vt = .5L	5.5	0.2, 60 LPM	15			30
1574	AQUA+ TS	75 – 1000	24, Vt = .5L	5.5	0.2, 60 LPM	15			30
1575	AQUA+ FH	350 – 1500	31, Vt = .5L	34.0	1.6, 60 LPM	82	•	•	20
1576	AQUA+ H	350 – 1500	30, Vt = .5L	33.0	0.7, 60 LPM	82	•		20
1578	AQUA+ FHY	350 – 1500	31, Vt = .5L	49.0	1.6, 60 LPM	82	•	•	20
1579	AQUA+ HY	350 – 1500	30, Vt = .5L	48.0	0.7, 60 LPM	82	•		20
1581	AQUA+ 1 H	200 – 1400	30, Vt = .5L	15.0	1.9, 60 LPM	31	•		30
1582	AQUA+ 2FH	100 – 500	30, Vt = .25L	13.0	2.5, 30 LPM	24	•	•	30
1583	AQUA+ 2H	100 – 800	29, Vt = .5L	13.0	1.9, 60 LPM	24	•		30
1584	AQUA+ 3FH	80 – 400	29, Vt = .25L	12.0	2.5, 30 LPM	20	•	•	30
1589	AQUA+ 1HS	200 – 1400	30, Vt = .5L	14.0	1.9, 60 LPM	28			30

Flex Tubes and HME Combinations



SMOOTH-FLO® Flex

Cat. No. 20011

- Supplied sterile, ideal for head and neck surgery
- 15mm I.D. x 15mm O.D. rigid connectors on ends
- 30mL dead space
- Individually packaged 20 to a case

EXPANDI Flex™

Cat. No. 22362

- Lightweight positionable flex tube with rigid connectors
- 15mm I.D. x 15mm O.D. connectors
- Adjustable length, 95mm - 155mm
- Dead space is 14mL collapsed, 30mL expanded
- Individually packaged 25 to a case

*Hudson RCI offers a **Flex Tube** to meet every clinical need in the I.C.U. and anesthesia settings.*

Flex tube is ideal as an interface between the patient and circuit/HME.



SOFTFLEX™

Cat. No. 1800402

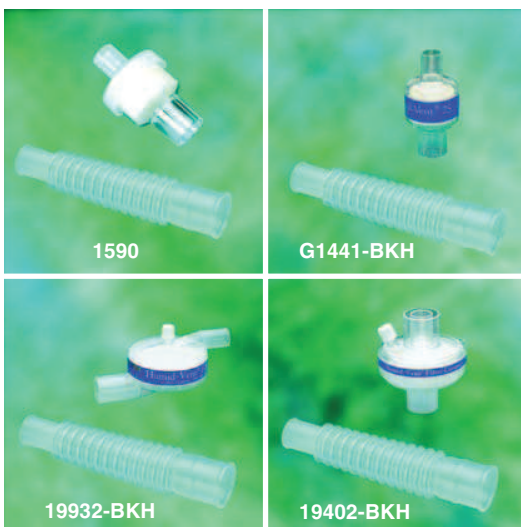
- Extremely light and flexible tube
- 22mm I.D. x 15mm I.D. tubing connectors
- 31mL dead space
- Packaged 100 to a case (10 bags of 10)

SOFTFLEX with Rigid Connector

Cat. No. 1800404

- Same tube as above but with rigid 15mm I.D. patient connector
- Packaged 100 to a case (10 bags of 10)

**HMEs,
HCHs
& Filters**



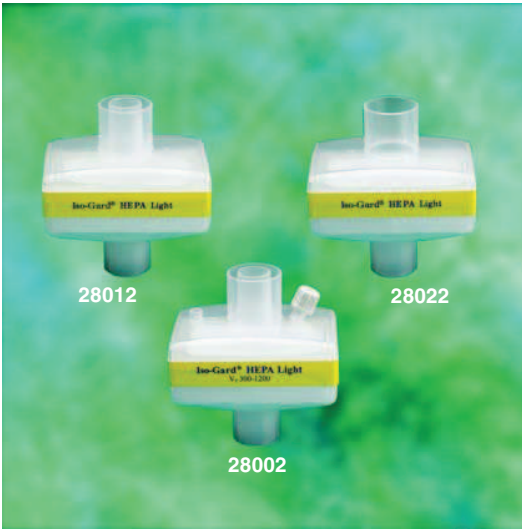
Flex Tube / HME Combinations

A wide variety of convenient prepackaged flex tube/HME combinations are available to meet every humidification and patient need.

- Each combination includes one HME and one flex tube
- See chart for available combinations and case quantities
- All configurations individually packaged

Cat. No.	Flex Tube Cat. No.	HME Cat. No.	Case Qty.
1590	1800402	1589	30
G1441-BKH	1800402	14412	20
19932-BKH	1800402	19932	20
19402-BKH	1800402	19402	25

ISO-GARD® Filters



ISO-GARD Hepa Light

- ISO-GARD Hepa Light is an advanced, highly hydrophobic bacterial/viral filter - Hepa Class 13
- May be used as an HME (see moisture output on chart)
- Bacterial/viral filtration efficiency of 99.9999+%
- Cat. No. 28002 includes gas sampling port with 22mm I.D./15mm O.D. x 22mm O.D./15mm I.D. connectors
- Cat. No. 28012 has 22mm I.D./15mm O.D. x 22mm O.D./15mm I.D. connectors
- Cat. No. 28022 has 22mm I.D. x 22mm O.D./15mm I.D. connectors, ideal for machine filtration applications

ISO-GARD HEPA and Depth Filter Systems offer bidirectional bacterial/viral filtration for cross-contamination protection of patient, equipment and caregiver.

- Suitable for use on pediatric to adult patients
- Individually packaged, see below for case quantities



ISO-GARD HEPA Small

Utilizes the same, proven bi-directional bacterial/viral filtration media used in the larger HEPA Light models, at half the size.

- High-level filtration protection while conserving patient exhaled heat and humidity (see moisture output on chart)
- For use with adult and pediatric patients in anesthesia applications
- Bacterial/viral filtration efficiency: 99.9999+%
- True hydrophobic HEPA filter, HEPA Class 13
- Smooth, lightweight, transparent, low dead space housing design for maximum patient and staff comfort

Cat. No.	Description	TV Range (mL)	Moisture Output (mgH ₂ O/L)	Weight (grams)	Resistance (cmH ₂ O)	Dead Space (mL)	Case Qty.
28002	Hepa Light w/Port	300 – 1200	25.8, Vt = .5L	38	2.0	80	20
28012	Hepa Light	300 – 1200	25.8, Vt = .5L	37	2.0	80	20
28022	Hepa Light	300 – 1200	25.7, Vt = .5L	34	1.6	80	20
28052	HEPA Small, Angled	150 – 800	25, Vt = .25L	23	2.3	31	25
28062	HEPA Small, Straight	150 – 800	25, Vt = .25L	23	2.3	29	25



Cat. No. 19212

ISO-GARD Depth Filter

Hydrophobic, electrostatic bacterial/viral filter for use on patient end of circuit when HME is not required

- 22 mm I.D./15 mm O.D. x 22 mm O.D./15mm I.D.
- Bacterial efficiency 99.9999%; viral efficiency 99.99+%
- Weight 22 grams; dead space 26mL
- Resistance 2.0cm H₂O, 60 LPM
- Individually packaged 25 to a case

Filters



Main Flow Bacterial/Viral Filter

Cat. No. 1605

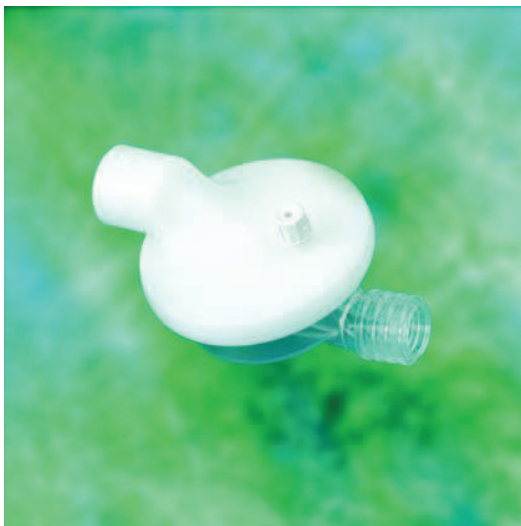
- 22mm I.D. x 15mm I.D./22mm O.D.
- Bacterial efficiency 99.999+%; viral efficiency 99.99+%
- Dead space is 42mL
- Flow resistance approx. 1.5 cmH₂O at 60 LPM
- Individually packaged 50 to a case

Pulmonary Function Bacterial/Viral Filter

Cat. No. 1603

- 30mm I.D. x 30mm O.D.
- 130mL compressible volume
- Flow resistance .19 cmH₂O/L/Sec. @ 8 LPM flow
- Individually packaged 50 to a case

Disposable Bacterial/Viral Filters to address a wide variety of clinical applications, these filters utilize a nonconductive, naturally hydrophobic filter media.



AQUA+® F Bacterial / Viral Filter

Cat. No. 1577

For adult applications where a filter is desired between the patient and circuit.

- 15mm I.D./22mm O.D. patient connection
- Tidal volumes from 350 - 1500mL
- 99.9+ bacterial/viral efficiency
- Includes integral gas sampling port
- 360° swivel design aids positioning and minimizes torque
- Individually packaged 20 to a case



Ventilator Main Line Filter Kit

Cat. No. 1606

Main line filter kit is used to connect main flow supply from ventilator to a heated humidifier.

- Convenient configuration incorporates Cat. No.1605 main flow filter, tubing and adaptor to accommodate most ventilator setups
- Individually packaged 30 to a case

**HMEs,
HCHs
& Filters**