

RUHOF



Surgical Instrument and Scope Cleaning Systems

Including the **ScopeValet™**
Line of Products



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Endozime® Bio-Clean

Item No. 34524

Multi-Tiered Enzymatic Detergent

Cleans, washes, and prepares semi-critical and critical medical devices enabling high level disinfectants to kill and remove Biofilm

- Solubilizes polysaccharides during the cleaning process allowing high level disinfectant to kill and remove Biofilm
- Proprietary blend of enzymes designed to remove all bio-burden - blood, carbohydrates, protein, polysaccharides, fats, oils, uric acid and other nitrogenous compounds
- Cleans the inanimate surfaces where Biofilm, germs, allergens or microorganisms can hide, thrive and grow
- Advanced Proteolytic Action - Increased protein enzyme activity
- Clinically tested to remove 99.9% of all Bioburden
- Helps eliminate odors from scopes, instruments and washers
- Biologically active additives speed the process of liquefaction and solubilization
- Safe for use on all surgical instruments and scopes/will not harm any metals, plastics, rubber or corrugated tubing
- Low-sudsing, neutral pH, non-abrasive, free rinsing and 100% biodegradable

NEW!
Bio-Clean Technology!



Endozime® AW Triple Plus® with A.P.A.

Item No. 34521

Multi-Tiered Enzymatic Detergent with Advanced Proteolytic Action and Rust Inhibitors

Specifically designed for all endoscope washers, washer disinfectors, ultrasonic washers and for manual cleaning.

- Advanced Proteolytic Action - Increased protein enzyme activity
- Proprietary blend of enzymes designed to remove all bioburden; blood, carbohydrates, protein, polysaccharides, fats, oils, uric acid, and other nitrogenous compounds
- Biologically active additives speed the process of liquefaction and solubilization
- 1/2 oz. per gallon dilution (4ml/liter)
- Inhibits rust
- Safe for use on all surgical instruments and scopes - will not harm any metals, plastics, rubber, or corrugated tubing
- Low-sudsing, neutral pH, non-abrasive, free rinsing and 100% biodegradable

Please visit www.ruhof.com for additional product information and current SDS.



Endozime® Xtreme Power

SUPER CONCENTRATE

Item No. 34530

Multi-Tiered Enzymatic Detergent with Advanced Proteolytic Action and Rust Inhibitors

Universal applications - for use in all endoscope washers, washer disinfectors, ultrasonic washers and for manual cleaning

- Super-Concentrate: Dilution from 1/4 oz. per gallon (2ml/liter)
- Effective in all water temperatures (Including cold water)
- No foam formula
- Removes all soil contamination - blood, protein, fats, carbohydrates and starches
- Available in smaller bottles - easier to carry, store and pour
- Compatible with all medical device materials
- Neutral pH, Free rinsing and 100% biodegradable
- Inhibits rust

Environmental and Cost Benefits:

- Less detergent usage
- 100% biodegradable
- Less plastic bottle and packaging waste
- Reduction in energy usage



Endozime® SLR

Item No. 34528

Multi-Tiered Enzymatic Synthetic Lipid Remover

Synergistically designed to remove all blood, protein, fat, carbohydrates and synthetic lipids from flexible and rigid scopes, biopsy forceps and all surgical instruments

- Synergistic mixture of protease, amylase, lipase, carbohydrase and proprietary enzymes
- Removes all bio-burden, including synthetic lipids
- Instantly active - Constantly active
- Safe on all scopes (flexible, rigid), biopsy forceps and surgical instruments
- Can be used in all scope washers, washer decontaminators, ultrasonics and manual cleaning
- Neutral pH, non-abrasive, 100% biodegradable, and free-rinsing
- Will not harm any metals, plastics, rubber, corrugated tubing, glass or mirrors

Please visit www.ruhof.com for additional product information and current SDS.



Endozime® AW Plus Item No. 34514

Multi-tiered Enzymatic Detergent

Specifically designed for washer sterilizers, ultrasonics and manual cleaning.

- Proprietary synergistic mixture of enzymes and non-ionic detergents
- Protease, amylase, lipase, carbohydrase and proprietary enzymes
- Instantly active - Constantly active
- Starts cleaning on contact
- Easy and safe to use
- Safe for all instruments and scopes - Extends usable lifetime
- Neutral pH (non-abrasive)
- Non-foaming - Non-sudsing
- 100% Biodegradable
- Free rinsing
- Will not harm any metals, plastics, rubber or corrugated tubing



Liquizime® Item No. 34547

Multi-Tiered Enzymatic, Alkaline Detergent

Specifically designed for use in all washer-disinfectors, tunnel washers, cart washers and for manual cleaning

- One-step cleaning and scale prevention
- Proprietary synergistic mixture of enzymes and alkaline
- Protease, Lipase, Amylase, Carbohydrase and proprietary enzymes
- Excellent for hard water problems, eliminating mineral deposits from stainless steel instruments, optics, common plastics as well as materials used in anesthetic utensils
- Mild alkaline with approximate pH 9, yet does not require a neutralizer.
- Extremely fast wetting and odorless, while maintaining high detergency and cleaning performance in hard, soft, cold and hot water.
- Free Rinsing - leaves no residue or pyrogens
- Non-Foaming – Non-Sudsing
- Bio-degradable
- Will not harm any metals, plastics, rubber or corrugated tubing

Please visit www.ruhof.com for additional product information and current SDS.



Orthozime®

Item No. 34549

Triple Enzymatic Detergent

Specifically Designed for Orthopedic Surgical Instruments

- Designed for cleaning Orthopedic and Arthroscopic surgical instruments
- Triple enzyme cleaner - protease, lipase, and amylase
- Safe for all instruments and scopes (flexible and rigid); extends lifetime
- Neutral pH, non-abrasive, free-rinsing, and 100% biodegradable
- Easy and safe to use
- Will not harm any metals, plastics, rubber, or corrugated tubing



Lapcholyzyme®

Item No. 34540

Triple Enzymatic Detergent for Laparoscopic Cholecystectomy Instruments

- Unique and powerful formulation of fat and protein digesting enzymes and buffers, developed specifically for "impossible to clean" laparoscopic cholecystectomy instruments
- Begins dissolving and digesting fat, blood, protein and other organic contaminants on contact
- Safe and effective for cleaning delicate laparoscopic cholecystectomy instruments
- Eliminates biological odors as it cleans
- Prevents crystallization from glutaraldehyde assuring optical clarity
- Prevents clogged channels and sticky instruments
- Neutral pH, non-abrasive, free-rinsing, and 100% biodegradable
- Works in all temperatures

Please visit www.ruhof.com for additional product information and current SDS.



Endozime®

Item No. 34509

Dual Enzymatic Detergent

Highly recommended for all scopes (flexible/rigid) and biopsy forceps

Leaves instruments free of blood and protein in 2 minutes

- Dual enzymatic cleaner – Protease and Amylase
- Designed for universal applications: For use in all endoscope washers, washer disinfectors, ultrasonics and for manual cleaning
- Safe for use on all instruments and scopes
- Neutral pH, non-abrasive, free rinsing and biodegradable
- Will not harm any metals, plastics, rubber or corrugated tubing



Endozime® AW

Item No. 34511

Dual Enzymatic Detergent

Specifically designed for washers, washer sterilizers, ultrasonic and manual cleaning

- Dual enzymatic cleaner – Protease and Amylase
- Low-sudsing - designed for use in all washer, washer sterilizers, ultrasonics and for manual cleaning.
- Neutral pH, non-abrasive, free rinsing and 100% bio-degradable
- Will not harm any metals, plastics, rubber, glass or corrugated tubing
- Safe for all instruments and scopes - Extends usable lifetime

Please visit www.ruhof.com for additional product information and current SDS.

Non-Enzymatic Detergents



Liquiclean®

Item No. 34542

Premium Non-Enzymatic Detergent

Specifically designed for manual pre-cleaning

- Removes bioburden by manual pre-cleaning or ultrasonic washer
- Powerful emulsifying action
- For use on surgical instruments, laboratory glassware, plastics and rubber tubing
- Biodegradable, does not contain phosphates or NTA
- Works in all water conditions - hard, soft, cold or hot water
- No residue - no pyrogens
- Neutral pH 7.0 to 8.0



Liquiclean-H® NON-SUDSING

Item No. 34543

Premium Non-Enzymatic Detergent

Specifically designed for use in all washers, washer sterilizers, ultrasonics and for manual cleaning

- Removes organic soils by automatic washers or manual cleaning
- Powerful emulsifying action
- For use on all surgical instruments, plastics, glassware and rubber tubing
- Biodegradable, fast wetting, odorless and maintains high detergency and exceptional cleaning in hard, soft, cold or hot water
- No residue - no pyrogens, leaves a surgically clean surface

Please visit www.ruhof.com for additional product information and current SDS.



Prepzyme®

Item No. 34560

Multi-Tiered Enzymatic Foam Spray

**Enhanced With
Bio-Clean Technology!**

Pre-clean Inanimate surfaces where Biofilm can hide, thrive, and grow

- Keeps soiled instruments and scopes moist prior to decontamination
- Prevents dried on bio-burden
- Enhanced polysaccharide solubilization exposing Biofilm to high level disinfectant
- More effective at breaking down blood, fat, protein, carbohydrase, and polysaccharides
- No more messy spills or splashing
- Contains Advanced Proteolytic Action
- Safe for all instruments and scopes - Extends usable lifetime
- Neutral pH (non-abrasive), 100% Biodegradable, Free rinsing
- Will not harm any metals, plastics, rubber or corrugated tubing



Prepzyme®

Item No. 34559

Multi-Tiered Enzymatic Foam Spray

Prevents adhesion of bioburden to surface of all surgical instruments and scopes

- Instantly active - Constantly active
- Begins breaking down blood, fat, protein and carbohydrase
- No more messy spills or splashing
- Prevents dried on bio-burden
- Easy and safe to use
- Safe for all instruments and scopes - Extends usable lifetime
- Neutral pH (non-abrasive)
- 100% Biodegradable
- Free rinsing
- Will not harm any metals, plastics, rubber or corrugated tubing

Please visit www.ruhof.com for additional product information and current SDS.



Prepzyme® XF (eXtreme Foam)

Item No. 34561

Multi-Tiered Enzymatic Foam Spray with Applicator Tip

Extreme foaming action prevents bioburden from adhering to surface of all surgical instruments and scopes

- Longer lasting foam allows for better penetration of bioburden
- Thicker foam completely covers instruments
- Keeps soiled instruments moist
- Eliminates dried on bio-burden
- No messy spills and splashing
- Helps reduce cleaning time
- Easy and safe to use
- Neutral ph
- Free rinsing
- Will not harm any metals, plastics, rubber or corrugated tubing



Prepzyme® Forever Wet

Item No. 34577

Instrument Transport Humectant Pre-Cleaner

*Multi-tiered enzymatic spray, Non-Aerosol
Promotes long lasting retention of moisture*

- Multi-layered enzymatic humectant spray which promotes long-lasting retention of moisture on soiled instruments helping to prevent dried on bio-burden
- Keeps instruments moist for an extended period of time
- Perfect for instruments that set overnight or over a weekend
- No "skinnying"; unlike other pre-cleaners does not leave a hardened skin on surfaces after an extended period of time
- Helps to prevent the adhesion of blood clots and organic debris from the cannula tunnel of instruments and scopes
- Begins working instantly on contact
- Free rinsing; washer/disinfectant compatible

**Enhanced With
Bio-Clean Technology!**

- No messy spills or splashing during transportation
- Neutral pH; safe for all instruments and scopes
- Non-aerosol; environmentally safe



Prepclean® Forever Wet

Item No. 34557

- NON-ENZYMATIC Humectant Spray

Please visit www.ruhof.com for additional product information and current SDS.



Surgistain®

Item No. 34572

Removes Rust, Stains and Spotting from Stainless Steel Surgical Instruments

Routine use will enhance the life and efficiency of stainless steel instruments

- Safe, efficient and quick revitalizing solution that removes rust, stains, spotting, hard water scale and mineral deposits from stainless steel surgical instruments
- Perfect for use on stainless steel trays, basins, and carts
- Routine use will enhance the life and efficiency of surgical instruments helping to loosen stiff joints and locks
- Excellent for use in ultrasonic machines
- Perfect for use in Operating Rooms, Outpatient Surgery, Ophthalmology, Dental and other departments for instrument restoration
- Free rinsing; non-aerosol; environmentally safe



F*A*C*T*S*®

Item No. 34533

Foaming Autoclave Cleaning Treatment System

- Removes all rust, stains and corrosion from walls of autoclaves and from stainless steel carts, and trays
- Also removes scale, alkaline, and mineral deposits
- Foaming spray remains on walls longer for better penetration
- Eliminates all noxious odors
- Restores original finish to autoclaves, carts, and trays
- Keeps carts and trays looking new
- Non-corrosive; will not harm quality stainless steel



A*C*T*S*®

Item No. 34501

Non-foaming formula of
F*A*C*T*S*®

Please visit www.ruhof.com for additional product information and current SDS.



Delyme®

Item No. 34507

Lime and Mineral Scale Remover

Specifically designed for use in all automatic washers, washer sterilizers, cart washers and tunnel washers

- Removes hard water scale, mineral scale, alkaline mineral deposits, rust, stains and organic waste from the inside walls of automatic washers
- Regular use will prevent the build up of lime and mineral scale
- Helps maintain the condition of your washer disinfectant equipment
- Improves the cleaning process

Please visit www.ruhof.com for additional product information and current SDS.



Premixslip®

Item No. 34552

Instrument Lubricant and Rust Inhibitor

Thoroughly steam penetrable and steam sterilizable

- High-grade mineral oil lubricant and rust inhibitor.
- Prevents rust, spots, stains and corrosion thus prolonging the life of the instrument.
- Prevents damage due to the misuse of stiff or grinding instruments thus reducing repair and replacement costs.
- Steam penetrable, steam sterilizable and ETO sterilizable.
- Non-oily, non-sticky, non-toxic and silicone free.



Surgislip®

Item No. 34571

Concentrated Instrument Lubricant and Rust Inhibitor for Use in Washers



Premixslip® AW Clear

Item No. 34555

Instrument Lubricant and Rust Inhibitor for Use In All Washers

Prohibits rusting, staining and spotting on all stainless steel instruments while adding a protective coating to prevent corrosion

- Perfect for use in all washers
- Prevents rust, spots, stains and corrosion thus prolonging the life of the instrument.
- Prevents damage due to misuse of stiff or grinding instruments reducing repair and replacement costs.
- Steam penetrable, steam sterilizable and ETO sterilizable.
- Non-oily, non-sticky and non-toxic; Free of silicone and mineral oil.

Please visit www.ruhof.com for additional product information and current SDS.



ISO-GON® Item No. 34537

Versatile Cleaner, Descaler, Decontaminant, and Radioactive Contaminant Remover

Designed for use in washer-disinfectors, tunnel washers and cart washers

- One-step cleaning and scale prevention
- Mildly acidic (pH 5-5.5) yet does not require a neutralizer.
- Extremely fast wetting, while maintaining high detergency and cleaning performance in hard, soft, cold and hot water
- Bio-degradable
- Instantly and constantly active (sequestering)
- Free rinsing, leaves no residue or pyrogens



Rinse Aid® Item No. 34563

Prevents Spotting on Surfaces of all Surgical Instruments and Glassware

Designed for all automatic washers, washer sterilizers, cart washers and tunnel washers

- Designed for all automatic washers
- Prevents adhesion of mineral deposits
- Prevents spotting
- Assists in drying
- Leaves no residue

Please visit www.ruhof.com for additional product information and current SDS.



Kartzime®

Item No. 34539

Multi-Tiered Enzymatic Alkaline Detergent

- For use in all washer disinfectors, tunnel washers and cart washers
- One-step cleaning and scale prevention
- Proprietary synergistic mixture of enzymes and alkaline
- Protease, lipase, amylase, carbohydrase, and proprietary enzymes
- Excellent for hard water problems, eliminating mineral deposits from stainless steel instruments, optics, common plastics, as well as materials used in anesthetic utensils
- Kartzime® is a mild alkaline detergent that does not require a neutralizer
- Extremely fast wetting and odorless, while maintaining high detergency and cleaning performance in hard, soft, cold, and hot water
- Free rinsing, Kartzime® leaves no residue or pyrogens
- Non-foaming – non-sudsing 100% biodegradable
- Will not harm any metals, plastics, rubber, or corrugated tubing

Please visit www.ruhof.com for additional product information and current SDS.

Surface Disinfectants & Deodorizers



Ruhof Biocide®

Item No. 34566

Quaternary Germicide Disinfectant

CLEANER • DEODORIZER • DISINFECTANT • VIRUCIDE • TUBERCULOCIDAL

- Safe Quaternary Germicide
- For use on all hard non-porous surfaces such as: floors, walls, metal surfaces, stainless steel surfaces, bathrooms, shower stalls, bathtubs, cabinets, etc.
- Strong deodorizer for garbage cans and garbage storage areas
- Highly effective against a broad-spectrum of pathogenic microorganisms, including bacteria (TB, Staph etc), antibiotic resistant bacteria, viruses (HIV and HBV etc.), fungi, mold and mildew.



Rufect®

Item No. 34565

Detergent/Disinfectant Concentrate

- Safe Quaternary Germicide
- Kills all pathogens and viruses including HIV, Tuberculosis, and Hepatitis B
- No rinse disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step. Is also a virucide, fungicide (against pathogenic fungi) and a mildewstat (on inanimate surfaces).



F.O.E. CODE #3®

Item No. 34534 (Green/Floral Scent)

F.O.E. CODE #4T®

Item No. 34535 (Yellow/Tropical Scent)

Fecal Odor Eliminator

- Eliminates all noxious odors including fecal, urine, and melena
- Molecular modification system alters the molecular structure of a foul emission into a harmless, odorless gas
- Using F.O.E.® before and after a procedure or whenever noxious odors occur ensures a pleasant environment for GIAs, nurses, physicians, and patients

Please visit www.ruhof.com for additional product information and current SDS.



Toll Free: 1-800-537-8463 • Web: www.ruhof.com

Contoured Enzymatic Sponges

Contoured enzymatic sponges for pre-cleaning surfaces of all flexible/rigid scopes and tubular instruments

Pre-saturated with Ruhof enzymatic detergent

- Begins cleaning on contact preventing dried on bioburden
- Speeds up turn-around-time
- Easy one time use
- Will not harm delicate endoscopic equipment and instruments



Endozime® Sponge Enhanced with Bio-Clean Technology

Cat. No. 345SPG

- Pre-saturated with Endozime® Bio-Clean enzymatic detergent which pre-cleans scope and instrument surfaces enabling high level disinfectant to kill and remove biofilm.



Endozime® SLR Sponge

Cat. No. 345OSP

- Pre-saturated with Endozime® SLR enzymatic detergent
- The only sponge that can remove synthetic lipids, silicone, petroleum jellies and other oily substances from flexible and rigid scopes



Endozime® Sponge "THE MINI"

Cat. No. 345MINI

- Pre-saturated with Endozime® XP enzymatic detergent
- The only sponge designed for small scopes (flexible/rigid) with an outer diameter of 2-6mm

Please visit www.ruhof.com for additional product information and current SDS.



ECO-Bedside Kit Item No. 345SVECO

The Only ECO-FRIENDLY Bedside Care Kit that Removes Synthetic Lipids from Scope Surfaces and Internal Channel

- Begins cleaning on contact, preventing soil from drying on scope surfaces.
- Wide mouth tray design and securely fitting lid prevent spillage of enzymatic solution during preparation and suctioning.
- Uniquely fitted for all scopes: flexible/rigid.
- Neutral pH, non-abrasive, 100% biodegradable, and free-rinsing.
- Will not harm any metals, plastic, rubber corrugated tubing, glass or mirrors.
- Each kit is individually packaged for one time use, eliminating the risk of cross-contamination.
- Container and lids will stack for easy storage solutions.

Ruhof Eco-Bedside kit tray and lid are certified "OK Compost", "OK Biobased" and 100% Biodegradable.



Add water to Endozyme® SLR solution to desired fill level.



Wipe the insertion tube with the contoured sponge soaked in Endozyme® SLR.



Place the distal end of the endoscope into the container and suction the Endozyme® SLR solution through the inside channel. Reprocess as usual.

Please visit www.ruhof.com for additional product information and current SDS.



250ml

500ml

LINT FREE

Endozime® SLR Phase One

Item No. 345EPO - 250ml

Item No. 345EPO500 - 500ml

**Enhanced With
Bio-Clean Technology!**

Endoscopy Bedside Care Kit

Removes all bioburden as well as synthetic lipids from scope surface and internal channels

- Begins cleaning on contact, preventing soil from drying on scope surfaces
- Removes gross contaminants, including synthetic lipids
- Endozime® SLR solution is a synergistic mixture of protease, amylase, lipase, carbohydrase and proprietary enzymes
- Uniquely fitted for all scopes: flexible/rigid
- Safe on all scopes
- Neutral pH, non-abrasive, 100% biodegradable, and free-rinsing
- Will not harm any metals, plastic, rubber, corrugated tubing, glass or mirrors
- Each kit is individually packaged for one time use, eliminating the risk of cross-contamination
- 500ml Container meets certain manufacturer's guidelines for precleaning



EASY TO USE! Wipe the insertion tube with the contoured sponge soaked in Endozime® SLR. Then place the distal end of the endoscope into the container and suction the Endozime® SLR solution through the inside channel. Reprocess as usual.

Please visit www.ruhof.com for additional product information and current SDS.

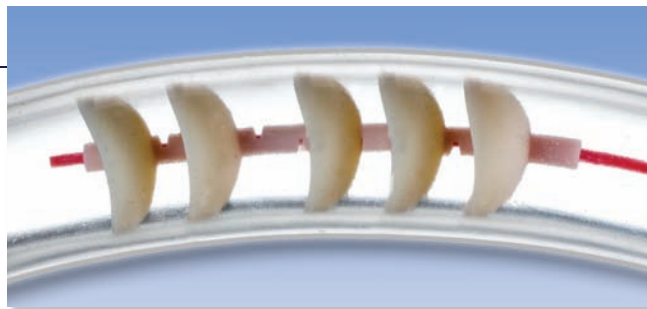
ScopeValet™ PULL THRU™

Single Use Endoscope Lumen Cleaning Device Removes Bioburden in a SINGLE PASS

The unique wiper design of the ScopeValet™ PULL THRU™ line of products provides a complete circumferential seal in the endoscope channel, thereby removing almost all residue in a single pass. The 360° seal creates a vacuum which draws detergent through the channel removing residue from crevices or other areas of minor damage in the channel. The vacuum also ensures the channel is completely filled with detergent to attack and remove bioburden.

The ScopeValet™ PULL THRU™ line of products is proven to effectively remove all bioburden from endoscope channels in a SINGLE PASS. PULL THRU™'s unique wiper blade design safely wipes internal channels clean while creating a suction that mechanically rinses crevices on the channel walls with enzymatic solution. The SINGLE PASS cleaning action significantly reduces cleaning time while improving the overall efficacy of the cleaning process.

- Proven to remove all bioburden in a SINGLE PASS* reducing cleaning time
- Pull Thru™ sizes available to clean channels from 1.0 to 5.0mm internal diameter
- Suctions through enzymatic detergent, mechanically rinsing channel walls
- Provides complete contact with channel walls, unlike bristle brushes
- Disposable/single use device, which eliminates the need for the complicated and expensive cleaning and sterilization of traditional brushes
- Scientifically proven to significantly enhance the efficiency of the cleaning process when compared to traditional bristle brushes.
- Wipers are constructed of soft plastic, non-abrasive material and will not harm the endoscope channel walls.



The unique wiper design of the PULL THRU™ provides a complete circumferential seal in the endoscope channel, thereby removing almost all residue in a single pass.



The PULL THRU™'s flexible wand allows for easy access through all endoscope channels.



PULL THRU™ is conveniently packaged in a cassette with adhesive tape for mounting and flip up cover to protect wiper from contamination.



ScopeValet™ PULL THRU™

**For Endoscope
Channels from
2.8 to 5mm**

- 5-wiper design
- 220cm flexible wand

Item # PT60C

60 Pull Thru™
with Cassette
and Wall Mount

Item # PT60R

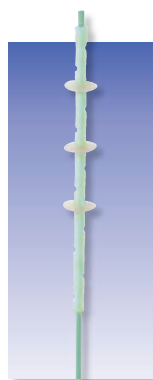
60 Pull Thru™

Item # PT180R

180 Pull Thru™

Item # PTSUP

Pull Thru™ and
Stubby Brush™
Single Pack



ScopeValet™ PULL THRU™ MINI

**For Endoscope
Channels from
1.4 to 2.6mm**

- 3-wiper design
- 220cm flexible wand

Item # MPT60C

60 Pull Thru™ Mini
with Cassette
and Wall Mount

Item # MPT60R

60 Pull Thru™ Mini

Item # MPT180R

180 Pull Thru™ Mini

Item # MPTSUP

Pull Thru™ Mini
and Stubby Brush™
Single Pack



ScopeValet™ PULL THRU™ MICRO

**For Endoscope
Channels from
1.0 to 1.2mm**

- 3-wiper design
- 220cm flexible wand

Item # MCPT60C

60 Pull Thru™ Micro
with Cassette
and Wall Mount

Item # MCPT60R

60 Pull Thru™ Micro

Item # MCPT180R

180 Pull Thru™ Micro

Item # MCPTSUP

Pull Thru™ Micro
and Stubby Brush™
Single Pack

Please visit www.ruhof.com for additional product information.

Channel/Lumen Cleaning Brushes

CS/SPD PULL THRU™

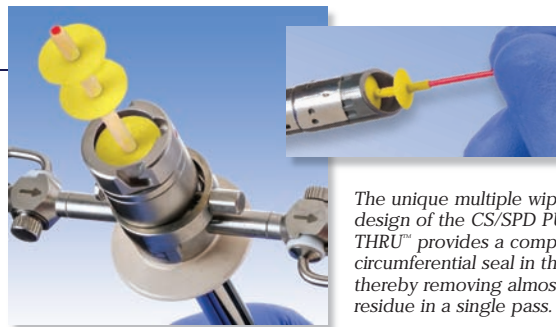
Single Use Cannulated Instrument Cleaning Device Removes Bioburden in a SINGLE PASS

ITEM #	DESCRIPTION	WAND COLOR
345PT1	MICRO: 1.2mm for lumen diameters of 1-1.2mm	Purple
345PT2	MINI: 2.6mm for lumen diameters of 1.4-2.6mm	Green

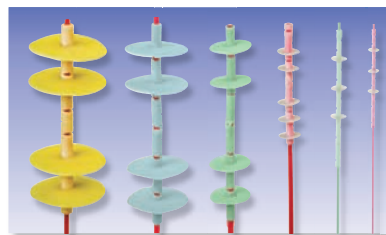
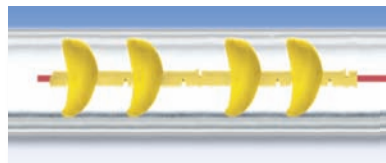
ITEM #	DESCRIPTION	WIPER COLOR
345PT5	5mm for lumen diameters of 3-5mm	White
345PT8	8mm for lumen diameters of 6-8mm	Green
345PT12	12mm for lumen diameters of 9-12mm	Blue
345PT15	15mm for lumen diameters of 13-15mm	Yellow

The CS/SPD PULL THRU™ lumen cleaning brush is proven to effectively remove all bioburden from lumen channels in a SINGLE PASS. CS/SPD PULL THRU™'s unique multiple wiper blade design safely wipes lumen channels clean while creating a suction that mechanically rinses cavities on the lumen walls with enzymatic solution. The SINGLE PASS cleaning action significantly reduces cleaning time while improving the overall efficacy of the cleaning process.

- Proven to remove all bioburden in a SINGLE PASS reducing cleaning time
- For lumen channels from 3 to 15mm
- Suctions through enzymatic detergent, mechanically rinsing lumen channel walls
- Provides complete contact with lumen channel walls, unlike bristle brushes
- Single use device; eliminates the need to sterilize traditional brushes



The unique multiple wiper design of the CS/SPD PULL THRU™ provides a complete circumferential seal in the lumen, thereby removing almost all residue in a single pass.



The CS/SPD PULL THRU™ is available in 6 sizes, each is color coded to clearly indicate the wiper circumference.



The CS/SPD PULL THRU™ 61cm flexible wand allows for easy access through all narrow lumen channels.

ScopeValet™ Balloon Enteroscope Pull Thru™

For Endoscope Channels from 2.8 to 5mm

Item # PTBS Balloon Enteroscope PULL THRU™ Single Pack

Item # PTBSUP Balloon Enteroscope PULL THRU™ & Stubby Brush™ Single Pack

The ScopeValet™ Balloon Enteroscope PULL THRU™ is an endoscope channel cleaning device, which can be effectively used to clean enteroscopes used in Balloon Enteroscopies to examine and treat the small intestine. This PULL THRU™ is 2500mm in length and can clean scope channels from 2.8mm to 5mm in a SINGLE PASS. The ScopeValet™ Balloon Enteroscope PULL THRU™ is designed to significantly reduce the time required to manually clean the enteroscope channels and to improve the overall efficacy of the cleaning process.

- Effectively cleans balloon endoscope channels from 2.8 to 5mm with a single pass
- Unique wiper element design provides a complete circumferential seal in the endoscope channel with a piston like action thereby removing almost all residue
- Reduces the time required to manually clean balloon endoscope channels
- Removes the residue bristle brushes leave behind, enabling detergents to attack and remove bioburden more effectively
- PULL THRU™ action is consistent every time, which reduces any variation in cleaning method between users
- Disposable/single use device, which removes the need for the complicated and expensive cleaning of traditional brushes.
- Scientifically proven to significantly enhance the efficiency of the cleaning process when compared to traditional bristle brushes.
- Wipers are constructed of soft plastic, non-abrasive material and will not harm the endoscope channel walls



The Balloon Enteroscope PULL THRU™'s 2500mm flexible wand allows for easy access through all lumen channels.

Channel/Lumen Cleaning Brushes

Endozime® Instrusponge™ Item No. 345ESS

Enzymatic Sponge on a Flexible Wand

Designed to Clean Internal Channels of Endoscopes, Flexible Fiberoptics, Cannulated and Take-apart Laparoscopic Instruments.

Pre-saturated with Endozime® AW Triple Plus® with APA Enzymatic Detergent

Endozime® InstruSponge™ has a unique foam tip attached to a flexible plastic wand that allows for easy maneuvering through complex internal channels, cannulas, and lumens to loosen and expel gross contaminants. Endozime® InstruSponge™'s foam tip compresses giving full surface contact to gently wipe clean the inside channel walls, while preventing scarring and scraping that can be caused by conventional wire bristle brushes. Each InstruSponge™ is pretreated with our multi-enzymatic detergent Endozime® AW Triple Plus® with APA (Advanced Proteolytic Action) to further aid in breaking down and removing of bioburden.

- Ready-to-clean! Dip InstruSponge™ in water to activate the enzymatic foam tip
- Impregnated with multi-tiered Endozime® AW Triple Plus® with APA
- Easy to use! InstruSponge™'s plastic wand allows for easy passage through channels
- Designed for single-use to help decrease the risk of cross contamination
- Sponge tip prevents damage frequently caused by hard bristle brushes
- Unlike bristles, InstruSponge™ will not spatter the operator when coming out of the channel

Available Sizes

For Flexible Instruments and Endoscopes: 1, 1.5, 1.75, 3, 4, 5mm

For Rigid/Take-Apart Instruments: 1, 1.5, 1.75, 3, 5, 7, 10, 12, 14mm



Please visit www.ruhof.com for additional product information and current SDS.

ScopeValet™ Double Ended Hybrid Instrusponge®

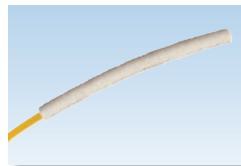
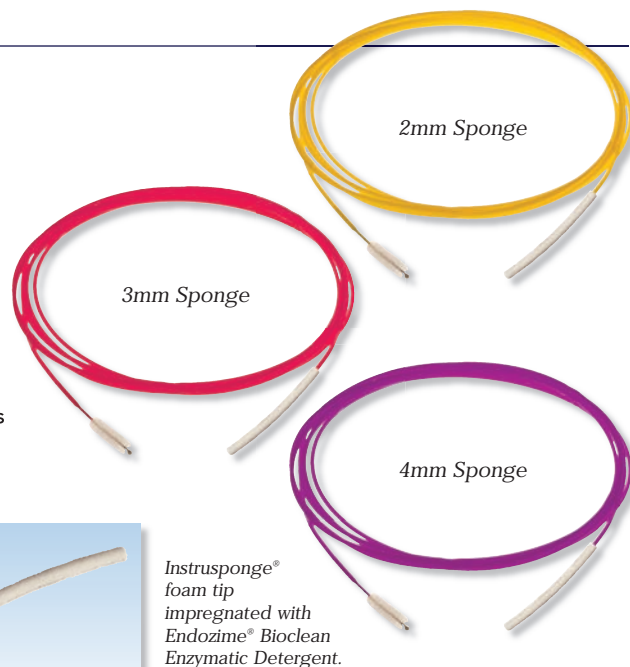
Item # 345HY2 – 2mm Sponge Size (Yellow) (Channel size of 2mm-2.2mm)

Item # 345HY3 – 3mm Sponge Size (Red) (Channel size of 2.8mm-3.2mm)

Item # 345HY4 – 4mm Sponge Size (Purple) (Channel size of 3.8-4.2mm)

ScopeValet™ Double Ended Hybrid Instrusponge® is a non-sterile, one-time use double ended cleaning brush/enzymatic foam tip combination designed to clean the internal channels of Endoscopes and Instruments.

- Foam tip is impregnated with Endozime® Bio-Clean enzymatic detergent which targets insoluble polysaccharides allowing for the complete elimination of all bioburden and biofilm by high level disinfectants or liquid chemical sterilants
- Premium catheter stiffness provides maximum push ability and smooth scope passage
- Double-end provides pull through design, ensuring maximum channel coverage
- Channel brush has rounded tip which helps to prevent damage to the inside channels of scopes
- Available in three sizes for scopes and instruments with channel sizes of 2mm – 2.2mm, 2.8mm – 3.2mm and 3.8mm – 4.2mm



Unique rounded tip helps prevent damage to inside channels of scopes.

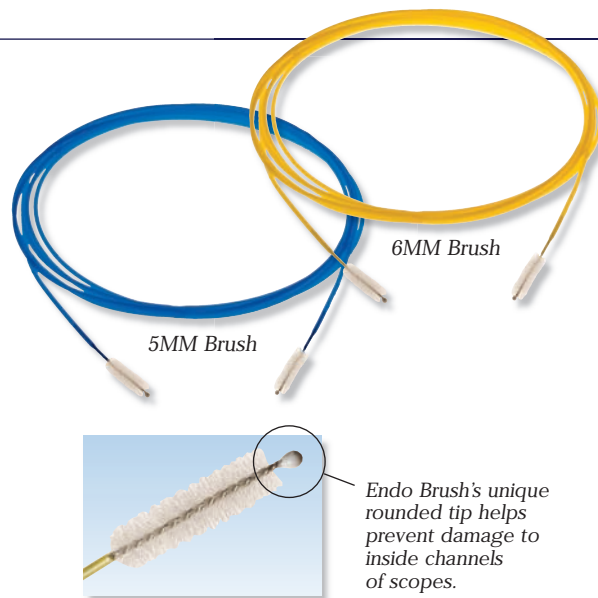
ScopeValet™ Endo Brush

Item No. 345EBS - 5MM Brush (Channel size of 2mm-4mm)

Item No. 345EBL - 6MM Brush (Channel size of 4mm-5mm)

ScopeValet™ Endo Brush is a non-sterile, one-time use brush on a flexible wand that allows for cleaning the inside channel of an Endoscope.

- Disposable, one-time use
- Available in a 5mm size (for scopes and instruments with a channel size of 2mm-4mm) and a 6mm brush size (for scopes and instruments with a channel size of 4mm-5mm).
- Wand length is 230cm; Catheter diameter is 1.8mm
- Premium catheter stiffness provides smooth scope passage
- Double-end provides pull through design, ensuring maximum channel coverage
- Unique rounded tip helps to prevent damage to the inside channels of scopes



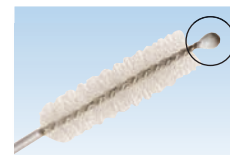
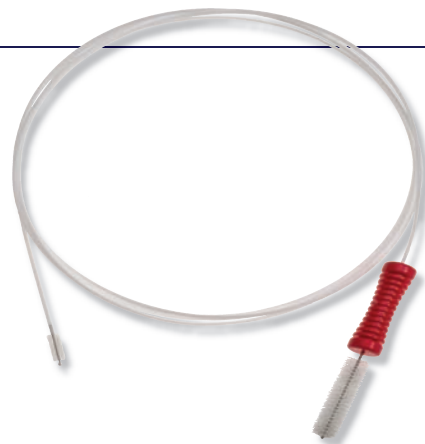
ScopeValet™ Dual-End Channel/Valve Brush (2-in-1)

Item No. 345VBL

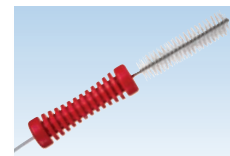
Individually packaged - 50 per box

ScopeValet™ Dual-End Channel/Valve Brush is a non-sterile, one-time use double ended channel cleaning brush/valve brush combination. This design enables the user to clean both the inside channel of an endoscope and also remove debris from the valve openings and dials of the control head of flexible scopes, making cleaning more efficient.

- Superior brush head size and density for maximum channel surface contact, effective scrubbing action and enhanced cleaning power
- Premium catheter stiffness provides maximum push ability and smooth scope passage
- Valve brush has ergonomic and textured non-slip handle for maintaining grip in a wet or soapy environment while extended length facilitates brushing of biopsy port
- The Channel/Valve brush diameter is 10/5 mm while the Channel/Valve brush length is 35/20 mm; working length is 240 cm
- Channel brush has rounded tip which helps to prevent damage to the inside channels of scopes
- Disposable, one-time use



Unique rounded tip helps prevent damage to inside channels of scopes.



Textured, non-slip handle helps maintain grip in a wet or soapy environment.

ScopeValet™ Dual End Valve Brush

Item No. 345VB Individually packaged - 100 per box

ScopeValet™ Dual End Valve Brush is used to safely remove debris from the valve openings and dials of the control head of flexible scopes.

- Variable brush head sizes fit all buttons and valves
- Extended length and ergonomic grip handle facilitates brushing of biopsy port
- Optimized bristle density and stiffness ensure gentle and effective scrubbing action
- Disposable, one-time use

ScopeValet™ Stubby Brush™

Item No. SB180 180 Stubby Brushes

ScopeValet™ Stubby Brush™ is a versatile cleaning device for the manual pre-cleaning of valves and ports. Two nylon heads provide the user with a choice of brush diameters to clean the ports and valves. The small nylon head gives the user better access to the small parts of the valves removing more soil than other brushes with a single larger head.

- Versatile dual head design
- Ergonomically designed handle
- Reduces inventory of multiple brushes for use on various scope port diameters
- One time use to reduce cross contamination
- Convenient resealable container



The Stubby Brush™ is conveniently packed in a resealable plastic container for easy access and storage.

ScopeValet™ Transport Bag

Item No. 345SVBT - Transparent

Item No. 345SVB - Red

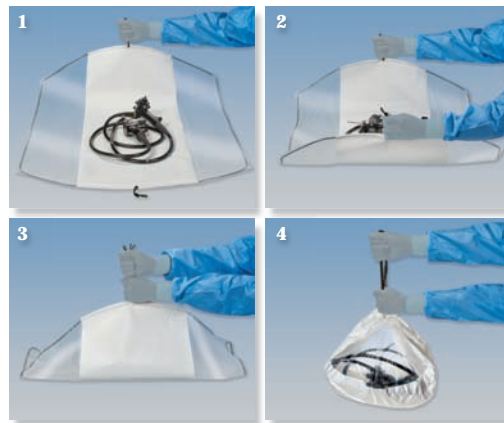
The ScopeValet™ Transport Bag is a safe and easy way to transport an endoscope from the procedure room to the reprocessing room after the endoscopy. The drawstring closure ensures staff safety by securely keeping the soiled scope enclosed during transfer.

- Easy set up before procedures providing full surface coverage for large and small cart surfaces. There is no need to use Chux pads or towels
- A strong leak-proof liner and absorbent inner pad which keep bio-hazard fluids contained and protects your endoscope from being damaged during transportation
- 40" x 33" (104 cm x 84 cm) bag size with 16" (41 cm) wide pad fits perfectly over a standard endoscopy cart
- Ample bag size accommodates all endoscopes and keeps them safe from being impaired when the flexible shafts are coiled too tightly
- Easy-to-use cinching cords which, when pulled, convert the surface pad into your enclosed transport container eliminating the need for transport buckets, pillow cases and giant zip-lock bags
- Full compliance with infection control guidelines for endoscope transportation
- Biohazard tag warn staff of possible infectious waste exposure
- A "Used Instrument" tag informs personnel of the valuable medical device which is enclosed
- Available in two color choices: TRANSPARENT - offering clear identification of the enclosed endoscope - or RED.
- Disposable, one time use



Available in two color choices: TRANSPARENT (for improved visibility of contents) or RED.

Tag informs personnel of the valuable medical device which is enclosed.



ScopeValet™ Endoscopy Procedure Kits

All-in-one Kits to Maximize the Efficiency of Endoscope Reprocessing

ScopeValet™ Endoscopy Procedure Kits provide a safe and efficient way for you to prepare, begin and perform the reprocessing procedure. Each kit provides you with all the necessary supplies you need for every Endoscopy case in one convenient package.

ScopeValet™ Endoscopy Procedure Kits are available in three different pre-packed assortments which provide the essential items required for each of the various procedures. Each package is labeled and color-coded to easily identify its contents and the procedure for which it is intended to be used.



*All You Need – Wrapped Up
In One Little Package!*



Colonoscopy & EGD Kit

Item No. 345SVR

CONTENTS:

- Ruhof Transport Bag
- ECO-Bedside Kit
- Emesis Basin
- Suction Tubing, 6ft.
- Lubricant Jelly, 2 oz
- 16 ply 4"x4" Gauze Pad (10)



Clean & Transport Kit

Item No. 345EPOSV

CONTENTS:

- Ruhof Transport Bag
- ECO-Bedside Kit



Compliance Kit

Item No. 345SVC

CONTENTS:

- Ruhof Transport Bag
- ECO-Bedside Kit
- Lubricant Jelly, 2 oz.
- 16 ply 4"x4" Gauze Pad (10)
- Cleaning Brush for 2mm - 4mm



Custom Kit *Design a kit to your specific needs!*

Fully customized with the components of your choice to meet your exact Endoscopy lab requirements. Simply tell us what is necessary for your individual needs and we will create your special kit! Please see the Ruhof customization sheet for custom kit options.

ScopeValet™ Disposable Biopsy Valves

Item No. 345BVO - Olympus and Fujinon

Item No. 345BVP - Pentax

ScopeValet™ Disposable Biopsy Valves are non-sterile and used to cover the openings to the biopsy/suction channel inlets of Olympus®, Fujinon® or Pentax® gastrointestinal endoscopes.

The biopsy valves provide access for endoscopic device passage and exchange, help to maintain insufflation, and minimize the leakage of bioburden from the biopsy port throughout the gastrointestinal endoscopic procedure. The disposable biopsy valves are designed for one time use which eliminates the need for manual cleaning and reprocessing. Most important the product reduces cross contamination helping to prevent potential patient/staff safety risks.

- Minimal “spitting” or leakage for general GI procedures
- Maintains scope pressure while passing devices
- Helps reduce cross-contamination
- Eliminates the need for reprocessing dirty valves
- Color-coded and designed to work with the major endoscopes in the market:
RED to fit Olympus® & Fujinon® scopes; WHITE to fit Pentax® scopes.
- Latex free
- Disposable, one time use



Olympus® and Fujinon®
Disposable
Biopsy Valves



Pentax®
Disposable
Biopsy Valves

ScopeValet™ ValveSafe™

Item No. 345VS

Single-use endoscope valve cage for the safe handling of endoscope valves during the cleaning, disinfection and storage process

- Locks onto the endoscope – without concealing any part
- Distinctive container keeps the valves fastened together with the parent endoscope
- Assists in the traceability of the scope and its' valves
- Features an integrated opening for the air/water cleaning adaptor chain
- Open design allows detergents and disinfectants to flow through easily and effectively
- Constructed of plastic polymer which is approved for endoscopy use – has no negative reaction with enzymatic detergents or disinfectants; prevents microbiological growth and will not rust
- Ensures guideline compliance
- “Smart-click” technology prevents re-use as cage will no longer close securely
- Disposable, one-time use minimizing cross-contamination



Ruhof Endo-Bag®

Item No. 345EDB

Cleaning Bag for Small Removable Scope Parts

- Keeps the scope and its accessories together during the cleaning process
- Protects the accessories during the cleaning process
- Assists in the traceability of the scope
- Can be used for any small item in any type of washer disinfectant
- Designed to withstand high level disinfectants



ScopeValet™ Endoscopic Bite Blocks

Item No. 345BB3 - Adult (21.4 mm / 64.2 FR opening diameter)

Item No. 345BB2 - Adult (19.6 mm / 58.8 FR opening diameter)

Item No. 345PED - Pediatric (16 mm / 48 FR opening diameter)

ScopeValet™ Endoscopic Bite Blocks ensure that the mouth of the patient remains open during endoscopic procedures. They also provide protection for the patient's teeth as well as the endoscope equipment inserted into the mouth.

- Disposable; packaged individually for one time use
- 2 Adult models and 1 Pediatric model available with elastic cloth strap
- Latex free
- Flexible design which fits comfortably in the patient's mouth
- Durable polypropylene construction
- Large side ports to allow for scope repositioning and suction access

Item No. 345BB3
Adult



Item No. 345BB2
Adult



Item No. 345PED
Pediatric



ScopeValet™ Procedure Gown - AAMI Level 3

Item No. 345EG

ScopeValet™ Procedure Gowns were designed to meet the specific protection and comfort requirements for endoscopic and other medical procedures. Level 3 gowns provide waterproof protection for moderate fluid contact.

- Protective coating makes gown impervious to fluid penetration
- Meets AAMI Level 3 Standards: "Liquid barrier performance and classification of protective apparel and drapes intended for use in health care facilities".
- Featherweight and breathable with premium knit cuffs and Velcro® neck closure to allow for easy on/off
- Disposable, one time use



**One Size
Fits All!**

Ruhof® Face Shield

Item No. 345FSH

Protective Anti-Fog Face Shield

- Protects face and eyes
- Crystal clear plastic with anti-fog coating for better visibility
- Latex free
- Contoured foam for better fit and comfort
- Disposable



ScopeValet™ I.Q.

3-in-1 Combined Scope Leak Tester, Detergent Doser, and Flushing System

Item No. 345SV

The ScopeValet™ I.Q. is a 3-in-1 combined unit that performs a leak test, detergent dosing and channel flush for all flexible scopes. This all-inclusive system unit helps speed up reprocessing time by eliminating the use of multiple units, manual flushing with a syringe, and manual dosing of a detergent, while improving cleaning efficacies. The ScopeValet™ I.Q. provides a step by step cleaning process validation as logged by the system's internal memory and digital display. The USB port allows you to download your results to a software tracking system on your PC to document that each step was performed without errors.

The ScopeValet™ I.Q. is an intelligent system with two flow meters that monitor and control the flow of the flush water into the scope channel and meter the precise amount of detergent into the sink. These exclusive “smart” functions ensure the internal channels of the scope are flushed and rinsed to the desired level of “clean” each and every cycle with no guess work. Flush and rinse alarms will sound when water or detergent is not flowing at the calibrated flow rate. This will allow the scope tech to correct the issue and repeat the cleaning step where the error occurred and continue the cleaning process. These errors will be recorded by the system for supervisor inspection and process quality management.

- Reduces cleaning time while enforcing consistent reprocessing procedures
- Eliminates “manual” syringe cleaning
- “Smart” flow metered Flush/Rinse/Purge pump for rapid cleaning of scope channels
- “Smart” flow metered detergent doser ensures accurate dosing every time helping to reduce cost
- Data logging per scope and technician
- ScopeValet™ I.Q. Software tracks results to your PC

For complete information please reference the User Manual.



Display Screen Images

> LEAK TEST
DETERGENT 060ml
SCOPE FLUSH 60s
SCOPE RINSE 40s
RINSE PURGE 40s
SAVE/EXIT YES

Programmable cleaning cycles displayed on user interface prompts technician through cleaning steps.

ID #: DEBRA
Date: 06-06-12
Time: 08:34:06AM
Record #: 0015
SCOPE #: 007
MFG: OLYMPUS
S/N: 2300783

Data logging shows cleaning cycle by "operator I.D." and "Scope#" to assure consistent and accurate processing.

Ruhof InstruFlush™

Item No. 345IF

Independent Flushing System for Effective Channel/Lumen Pre-Cleaning & Flushing

Ruhof InstruFlush™ is an effective instrument and scope channel/lumen pre-cleaning and flushing device which is 74.9% more efficient than syringe flushing. The InstruFlush™ provides a pulse feature for hard-to-dislodge soils and works very well with low-foaming enzymatic chemistries, detergents and alcohols. The pump can be used with or without the Ruhof InstruFlush™.

- Consistently meets ANSI/AAMI ST79: 2010 recommendations for cleaning, flushing and rinsing
- Offers components (measurements on reservoirs and in sink; sink thermometers) that facilitate compliance with cleaning solution and medical device manufacturers' IFUs
- Flushes water, cleaning solution, or alcohol
- Can be used with or without the Ruhof InstruFlush™
- Can dispense up to 1.2 liters of cleaning solution in ONE MINUTE
- Has an Impact Cycle wherein pressure and suction attack soil from both ends
- Automatically flushes 500cc of fluid in 30 seconds while three speeds allow volume adjustments; assures flushing consistency
- Enables up to three pumps in use at one time for optimized capacity and productivity (Three pumps can flush all lumens in a complex or robotic tray all at once, in one minute)
- Integrated pressure relief protects scopes
- Includes accessories to adapt to existing stainless steel sinks, walls or counters
- Greatly reduces risk of repetitive motion injuries
- Frees up technician to perform other tasks.)



Pump on base unit can be used on countertop or wall mounted.



Ruhof InstruFlush™ can be easily adapted to a facility's existing sink via a sink accessory rail.

FlushTech GI™

Item No. 345FTG

Automated Endoscope Flushing No Manual Syringing

The FlushTech GI™ is a powerful, easy-to-operate endoscope flushing aid that uses single and dual flushing modes to move chemistry and water through all of the channels of an endoscope. Pulsating flush technology works to help remove bio-burden from the endoscope before high-level disinfection in an automated endoscope reprocessor. It includes built-in programmable settings, allowing users to set flushing parameters that will meet specific conditions for achieving optimum cleaning results and high capacity processing.

- Both pulsating and high capacity flushing technology
- Simultaneous port flushing
- Manual or auto flush settings
- Flushing sensor with alarm
- System decontamination cycle
- Reporting capabilities
- No syringing required
- Includes a complete set of endoscope irrigation flushing tube components for the most common flexible endoscopes



Compact, space saving design fits easily on countertop for easy access.

Mobile Sink Station

Ruhof InstruStation™

Item No. 345ISL - Standard - 26"H x 16"W x 6.5"D
(66 cm x 40.6 cm x 16.5 cm)

Item No. 345ISM - Mini - 16"H x 16"W x 6.4"D
(40.6 cm x 40.6 cm x 16.3 cm)

Item No. 345IF - InstruFlush™ Pump

A new way forward in manual processing:

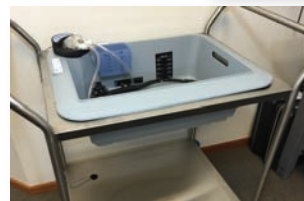
SAFE, PORTABLE, COMFORTABLE, & PRODUCTIVE

The Ruhof InstruStation™ is a mobile sink insert flushing system which fits snugly inside an existing deep utility sink or on a countertop. The unique pre-cleaning system helps shorten cleaning time by streamlining repetitive movements and minimizing water and chemical consumption. This modular station can also be easily removed to allow technicians to use the original deep sink basin.

- Adaptable and ergonomically designed insert helps reduce body fatigue associated with deep sink basins
- Can be used with or without the optional built-in flushing pump (InstruFlush™ Pump) which is 74.9% more efficient than syringe flushing
- Chemical reservoir facilitates precise manual measuring of instrument cleaning chemistries
- Cleaning tool caddy system helps assure appropriate draining and drying of scrub brushes and device cleaning tools
- Easily removable for large items that need a deep sink basin or for independent, adjacent soaking of instruments
- Thermometer band indicates the ideal temperature range for enzymatic detergents
- Integrated watermarks on inner basin help achieve proper chemical-to-water dilution ratio
- InstruStation™ fills and drains quickly and has an overflow prevention feature



InstruStation™'s shallow design makes reaching for instruments and/or cleaning devices easier and more efficient.



InstruStation™'s mobile cart accessory enables processing at point of use.

Fast Foam™ Item No. 345FF

The Ruhof Fast Foam™ system quickly and easily applies foaming Prepzyme® over instruments prior to manual cleaning. Prepzyme® is a multi-tiered enzymatic foam which keeps surgical instruments and scopes moist prior to decontamination, preventing the adhesion of bio-burden. This automatic delivery system produces enough foam to cover an entire tray of instruments in seconds! Sterile processors can increase workflow while achieving high marks for instrument cleanliness.

- Quick and simple Fast Foam™ coverage for instruments in the tray
- Special Instrument Channel Mode enables foam injection into instrument channel
- Features a durable, lightweight foam applicator wand and trigger which is ergonomically designed for operator comfort
- Eliminates manual pumping associated with trigger sprayers
- Can be wall mounted at an instrument pre-treatment station or securely attached to any IV stand making the Fast Foam™ system completely mobile
- Digital controls manage foam production for the precise volume, concentration and foam texture (wet/dry) needed
- Password protection prevents unauthorized users from tampering with settings
- Operates on 24 volts powered by a wall outlet. A lithium-ion battery option is also available upon request
- Quiet, precise and reliable detergent metering
- Simple, easy application shortens manual cleaning effort

Prepzyme® Multi-tiered Enzymatic Precleaner

Item No. 34559-27 - 1 Gallon

Item No. 34559-35 - 10 Liters

Item No. 34559-37 - 5 Gallons



Space-saving unit easily mounts to wall for easy hook-up to Prepzyme®



Foam applicator discharge tube spreads foam quickly and evenly across instrument tray.



Foam injection into instrument channels.



Dispensing Systems

DoseValet™ Item No. 345DVP

Automated Detergent Dosing with the Touch of a Button

The DoseValet™ is a simple, easy-to-use dosing system that delivers precise amounts of detergent into the sink, eliminating the variability of bottle mounted pumps. It includes built-in programmable settings, allowing users to set dosing parameters that will meet specific conditions for removing soil at various sink levels for achieving optimum cleaning results.

Intelligent Flow Metering

A precision flow meter provides optimal dosing accuracy. It ensures consistent amounts of concentrated chemistry are delivered each and every time, and also alerts the operator to out-of-chemistry conditions.

Dosing Validation

The DoseValet™ validates each dose of chemistry with a visual dosing confirmation. This confirmation appears on the display of the system so users know that the correct amount of chemistry has been dosed.

Usage Reports

Built-in software logs date, time, chemical usage, temperature, and errors that can be viewed as a report on a PC. These reports provide managers and regulatory agencies fast and easy insight into the system's activities and performance.

Temperature Sensing

The system is equipped with an in-sink temperature sensor that alerts the user when the water temperature is out of range. This allows the user to adjust the temperature of the water before dosing for optimum cleaning results.



Remote Control

When a system cannot be mounted directly over the cleaning sink because of the location of the chemistry or other restrictions, the remote control allows the user to control the unit from a distance of up to 12 feet away.

Soak Timer

Dual soak timers allow users to set a specific amount of time for the medical instruments to soak before the final cleaning and rinsing stage. An alarm sounds alerting the user that the soak is complete.

Foot Pedal Control (optional)

The foot pedal control gives the user the ability to control dosing without the need to touch the buttons on the system. This helps to keep the user's hands free so that they can manually clean instruments while dosing.

Low Level Alarm (optional)

The low level alarm system will notify the user when chemistry levels are low, allowing users to change out chemistry before running out. This ensures correct dosing levels and prevents the need to re-prime the unit with chemistry.

Dispensing Systems

DoseValet™ Autofill Item No. 345DVPA

Precise Sink Management System with the touch of a button

The DoseValet™ Autofill is a major advancement in the manual instrument cleaning process. With the press of its start button, DoseValet™ Autofill automatically fills the instrument sink, tub or basin with the precise amount of instrument cleaning detergent and water to the correct working level. The large LCD display provides real time alarms for solution temperature, dosing amounts, out of chemical status and sink activity. The DoseValet™ Autofill includes soak timer, which allow users to set a specific amount of time for the medical instruments to soak before the final cleaning and rinsing stage. The unit also includes a USB port for downloading management reports.

- Automatic sink filling/detergent dosing
- Smart water/detergent blending technology conserves water and insures precise concentration of the instrument cleaning solution
- Selectable chemical dilution factors and bath volumes
- Optional backflow preventer
- Locking, waterproof stainless steel cabinet
- Reduced cleaning labor as detergent solutions are always at the proper concentration; one touch automatic filling allows cleaning technicians to perform other tasks
- Management reports allow managers to monitor how frequently detergent solutions are changed
- Eliminates manual detergent dosing
- Water tempering valve controls cleaning solution to desired temperature



Unit mounted above sink with solution discharge tube placed in sink.



Technician can take care of other tasks while sink automatically fills.

Dispenser S/N: B45702					
Report Date: 08/12/13					
From Date: 08/09/13					
To Date: 08/12/13					
Date	Time	Volume	Temp.	Errors	
08/09/13	03:24:58PM	025	078		
08/09/13	03:25:10PM	000	078	Out of Det	
08/09/13	03:25:21PM	025	079		
08/09/13	03:25:34PM	025	078		
08/09/13	03:25:46PM	025	079		
08/09/13	03:25:58PM	025	079		
08/09/13	03:26:10PM	025	079		
08/09/13	03:26:22PM	025	078		
08/09/13	03:26:34PM	025	078		
08/09/13	03:26:46PM	025	079		
08/09/13	03:26:58PM	025	065	Temp Alert	
08/09/13	03:27:10PM	025	079		
Total Usage:		013.4 Liters			

Sink Management Reports can be downloaded via the USB port.

Submersible Cleaning Brush

Ruhof AquaBrush™

Item No. 345AQB - AquaBrush™ and 6 Brushes

Item No. 345LBR - 25 Large Replacement Brushes

Item No. 345SBR - 25 Small Replacement Brushes

The Only Totally Submersible Rechargeable Cleaning Brush for Surgical Instruments

The Ruhof AquaBrush™ is a rechargeable, completely submersible surgical instrument cleaning brush, which eliminates manual scrubbing for easier, more efficient instrument reprocessing. The AquaBrush™ comes with both large and small brush heads to accommodate various instrument sizes.

- Rechargeable - cordless
- Durable and lightweight
- Comfortable to use
- Push button operation
- Disposable cleaning brush heads in two sizes - large and small
- Includes two lithium batteries with charger



*Includes 3 Large Brushes,
3 Small Brushes and Fast Charger*



Spray Gun for Channel Cleaning

InstruGun™ Item No. 345ISG

For Cleaning, Rinsing, and Drying of Rigid/Flexible Scopes and Cannulated Instruments

InstruGun™ is ideal for cleaning, rinsing, and drying channels of Rigid/Flexible Scopes and cannulated instruments as well as a variety of other instruments including pipettes, syringes, catheters, curvettes, laboratory glassware, etc. With its unique dual purpose function, InstruGun™ allows you to use water or pressurized air for quick and efficient cleaning. InstruGun™ comes with a wide array of specialty attachments that will aid in all applications and are easy to connect to the tip of the spray gun. The specialty tips, once fastened, will not disconnect during high pressure cleaning. InstruGun™ is perfect for use in CS/SPD Departments, Operating Rooms, Endoscopy Suites, Outpatient Surgery and other departments to help speed up turn-around time.

- For water or pressurized air
- Easily adjustable pressure flow
- Heavy duty construction
- Ergonomic pistol grip control
- Eight cleaning attachments offer a wide variety and flexibility to ensure proper cleaning of specialized surgical instruments.



Includes quick-connect coupler which provides an air or water tight seal for maximum performance.

The lightweight, expandable hose allows for unrestricted movement and recoils for easy storage.

Cleaning Attachments



Catheters and Valves

Measuring and Blood Pipettes

Drainage Tubings

Cannulas and Syringes with Record Cone

Measuring and Syringes with Luer Cone

Cannulas and Syringes with Luer Cone

Bottles and Erlenmeyer Flasks

Water Jet Pump for Suction Cleaning



Quicker and More Efficient Cleaning!



Screw-on cleaning attachments connect quickly and securely.

Instru-Bin®

Item No. 345IB

Safely Stores and Transports Soiled Instruments and Endoscopes

- Ideal for soaking and safely transporting scopes and instruments without any splashing or messy spills
- Lightweight and sturdy with integrated handles for easy lifting and carrying
- Durable snap-down lid and transparent walls
- Multi-purpose, reusable, high quality
- Mesh basket included

Dimensions

Instru-Bin® 15.75" L x 21.75" D x 7.875" H
Volume: 8.25 gallons (33 quarts)

Large Mesh Basket 18" L x 12" D x 6" H

Small Mesh Basket 12" L x 9.75" D x 6" H



Reusable Autoclavable Trays and Lids

New Eco-Friendly Line of Reusable Long-life Plastic Holloware for Decontamination Services, Operating Rooms, Clinics, Surgeries, and other Surgical and Healthcare Services.

- High impact homopolymer polypropylene – won't dent, rust, stain, or ding.
- 50% lighter than stainless steel but with same strength.
- Significant noise reduction in busy SPD and Decontamination Units.
- Suitable for use with approved cleaning chemicals and medical liquids used in hospitals and healthcare.
- Surface scratches are harmless and do not disrupt processing and sterility.
- Smooth corner and under surfaces – extends shelf life.

Instrument Trays, Instrument Protection Pads, Instrument Boxes, Traceability Tags, Scope and Instrument Soaking Containers

Used to safely handle sterile instruments and equipment, and to provide containerization, storage and transportation of used equipment. Sterile Services rely on these products for processing through washer disinfectors and autoclaves.

Autoclavable Gallipots, Lotion Bowls, Surgical Bowls, Kidney Dishes and Jugs

Used for everyday accessories for general use in surgical procedures, outpatient departments, and clinics. Non drip, strengthened design for secure grip, with anti vacuum pips.

For a complete list of autoclavable plasticware please call 1-800-537-8463 or visit www.ruhof.com



ATP Complete®

Contamination Monitoring System

The Only Reliable Method for Verifying the Cleanliness of Scopes, Cannulated Instruments and All Surfaces in Just 15 Seconds!

The Ruhof ATP Complete® is a rapid, simple, and reliable method for verifying the effectiveness of the cleaning and decontamination process of all hospital surfaces, internal channels of scopes and cannulated instruments, and hand hygiene.

The Ruhof ATP Complete® Contamination Monitoring System detects Adenosine Triphosphate (ATP), the universal energy molecule found in all animal, plant, bacterial, yeast, and mold cells. Product residues, particularly blood and bioburden, contain large amounts of ATP. Microbial contamination contains ATP, but in smaller amounts. The Ruhof ATP Complete® measures the amount of contaminants present after cleaning.

ATP Complete® Hand Held Device

Item No. 345ATP

- Small, lightweight
- Sensitive - detects down to 1 femtomole of ATP
- 5000 program points
- Stores 2000 results
- Programmable user IDs
- Simple to use, menu-driven operation from keyboard
- Results in 15 seconds
- Self-calibration
- 2x AA battery-powered lasts for 3,000+ tests
- ATP Complete® analysis software included



Test® Instrusponge

For use with the ATP Complete® Contamination Monitoring System

Item No. 345TSPG1	1mm sponge diameter x 240cm wand length
Item No. 345TSPG1.5	1.5mm sponge diameter X 240cm wand length
Item No. 345TSPG2	2mm sponge diameter X 240cm wand length
Item No. 345TSPG3	3mm sponge diameter x 240cm wand length
Item No. 345TSPG4	4mm sponge diameter x 240cm wand length
Item No. 345TSPG5	5mm sponge diameter x 240cm wand length



Access internal channels of flexible and rigid scopes to monitor cleanliness

Used for flexible and rigid scopes with hard to access internal channels. An absorbent swab on a flexible wand, which feeds into the internal channels of a scope, allowing you for the first time to get an accurate indication of remaining bioburden. Individually packaged for single use, and comes in various sizes to meet the diameter openings of all scope channels and instrument cannulas.

Test® Swab

For use with the ATP Complete® Contamination Monitoring System

Item No. 345US

Verify cleanliness and measure microbial contamination on any surface

- All-in-one sampling device
- 12-month shelf life
- Unique liquid-stable reagent
- Tolerant to temperature abuse and sanitizers

For complete information please reference the User Manual.



Cleaning Verification

AquaSwab™

For use with the ATP Complete® Contamination Monitoring System

Item No. 345AS

Monitors ATP levels in water as a quality cleanliness indicator with results in only 15 seconds!

- Especially valuable in monitoring the cleanliness of Endoscopes and cannulated medical devices
- Measures both microbial ATP as well as ATP dissolved in water (non-microbial or dead microbial ATP organisms, also referred to as biomass)
- All-in-one sampling device with a 15-month shelf life; tolerant to temperature abuse and sanitizers

For complete information please reference the User Manual.



Clean Check Complete™

Item No. 345CC

Daily Monitor for AUTOMATED Enzymatic Cleaning Process

- Monitors the cleaning efficacy of automated medical cleaning equipment including both washer-disinfectors and ultrasonic cleaners using enzymatic cleaners
- Monitors all variables of the cleaning process including detergent concentration and enzyme activity, wash cycle temperature and mechanical action
- Economically priced, supporting daily testing of automated medical cleaning equipment
- Built in color reference for easy interpretation
- Does not react to common wash cycle additives such as lubricants or rinse aids
- Test strip can be retained as a record

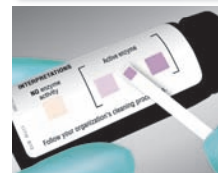



Clean Check Complete™ Manual

Item No. 345CCM - 2 bottles/kit; 50 strips/bottle

Daily Monitor for MANUAL Enzymatic Cleaning Process

- Detects the presence of active enzymes in manual bath solutions which guards against using expired or inactive enzymatic detergents
- Economically priced which supports frequent testing of manual bath solutions
- Ready-to-use strips; no preparation of reagents or calibration of instruments required
- Simple "Dip & Read" procedure with results in 90 seconds allowing for a quick check of enzyme activity prior to using manual bath solution
- Easy to interpret color blocks
- Each bottle clearly labeled with lot number and expiration date leaves no doubt as to the age or integrity of the product





Enzymatic Detergents

Enzymatic Foam Sprays

Enzymatic Sponges

Bedside Care Kits

Channel Cleaning Brushes

Including the New PullThru™

Endoscopy Care Products

Scope Reprocessing

Cleaning Verification



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