Decontamination Advice

General

Decontamination of BPR Medical's medical gas delivery and control products should be managed in accordance with national or local legislation, UK Department of Health guidance HTM 01-01 Part A and/or other policies applicable to your organisation.

Decontamination

The following table provides general recommendations for decontaminating BPR Medical's gas delivery and control products. For specific advice related to contamination or suspected contamination of devices with particular microbes seek the advice of your infection control advisor.

	Decontamination Level		
Product	Surface Cleaning[1]	Surface Disinfection[2]	Sterilisation
Firesafe™ Cannula Valve	Detergent Wipe	Disinfectant Wipe	Not Applicable
Firesafe™ Nozzle	Detergent Wipe	Disinfectant Wipe	Not Applicable
Firesafe™ Flowmeter	Detergent Wipe	Disinfectant Wipe	Not Applicable
Ultraflow™ Demand Valve	Detergent Wipe	Disinfectant Wipe [3]	Not Applicable
Ultraflow™ Exhalation Valve	Detergent Wipe	Single Patient Use – Not Required	
Dialflow Regulator	Detergent Wipe	Disinfectant Wipe	Not Applicable
Pressure Regulator	Detergent Wipe	Disinfectant Wipe	Not Applicable
Dialflow Meter	Detergent Wipe	Disinfectant Wipe	Not Applicable
Microdial Flowmeter	Detergent Wipe	Disinfectant Wipe	Not Applicable
Medical Gas Hose	Detergent Wipe	Disinfectant Wipe	Not Applicable
Nitric Oxide Regulator	Detergent Wipe	Disinfectant Wipe	Not Applicable
OASIS/Acupal	Detergent Wipe	Disinfectant Wipe	Not Applicable
Home Oxygen Switch	Detergent Wipe	Disinfectant Wipe	Not Applicable

Notes:

[1] Where a detergent wipe proves insufficient, an isopropyl alcohol (IPA) wipe may be used or gentle scrubbing with a soft non-metallic brush with warm water and a mild detergent.

[2] With the exception of Ultraflow™ Demand Valves (see below), it is not practical or economical to attempt to internally clean or disinfect any other BPR Medical product due to the nature and necessary complexity of the internal components. Suitable disinfectant wipes include those containing 1000 ppm available chlorine or 70% isopropyl alcohol (e.g. Sani-Cloth 70).

Warning! Do not allow ingress of water or cleaning solution into BPR Medical's gas delivery and control products.

(3) If gross contamination occurs (e.g. bodily fluid contact or dropped in a birthing pool), the Ultraflow™ Demand Valve may be decontaminated by a cold disinfection process internally following complete disassembly and cleaning. It is imperative that disinfection is preceded by a thorough mechanical cleaning process. Compatible disinfecting fluids are shown in the table below:

Active Ingredient	Common Brands/Solutions
Sodium dichloroisocyanurate (NaDCC; 1000 ppm Cl)	Chlor-Clean H8950, Actichlor, Haz-Tab, Presept
Sodium hypochlorite 1% (1000 ppm Cl)	Bleach
Chlorine dioxide (280 ppm available ClO2)	Tristel Fuse for Instruments
0.55% ortho-phthaldehyde solution	Cidex OPA

Warning! Ensure sufficient contact time to ensure efficacy of the disinfectant; seek advice from your infection control advisor if required. Disinfecting fluids must be verified to have been completely removed (including internal crevices) before attempting to reassemble an Ultraflow™ Demand Valve.

Return of Equipment

Anyone who inspects, services, repairs or transports medical equipment either on hospital premises or elsewhere has a right to expect that the equipment has been appropriately treated to minimise the risk of infection. Documentation is required to indicate the contamination status of the medical devices.

If for any reason it is necessary to return equipment to BPR Medical Limited, either directly or indirectly through a distributor, the equipment must be decontaminated first. A Decontamination Certificate, declaring the decontamination status, must then be completed and signed by a Competent Person (e.g. CP Decontamination as defined in HTM 01-01 Part A). Where practicable each device should be labelled after decontamination to individually identify the device has been processed.

The decontamination certificate must be enclosed with the document(s) accompanying the package or it will be returned to the sender at the senders cost.

If a device has been subject to gross contamination with potentially infectious material (e.g. bodily fluids) or if it is suspected that a device may be internally contaminated, the device must not be returned to BPR Medical.

BPR Medical Limited does not offer a decontamination service for medical devices and is unable to accept any medical device into our premises that is in need of decontamination.

For further information you are encouraged to refer to MHRA Device Bulletin DB2006(05) (see URL below) and UK Department of Health guidance HTM 01-01 Part A.

http://www.mhra.gov.uk/home/groups/dts-bs/documents/publication/con2025143.pdf

If you are in any doubt about the decontamination status of any BPR Medical device, do not use it and do not return it to BPR Medical. If you are unsure how to clean a particular device, seek advice from your infection control advisor.