

19 marca 2020 r.

KOMUNIKAT nr 2**Zasady postępowania z instalacjami wentylacyjnymi
w pomieszczeniach podczas zagrożenia koronawirusem**

W przypadku zagrożenia wirusami, w tym koronawirusem typu SARS-CoV-2, w zależności od miejsca występowania zalecane jest stosowanie odpowiednich organizacyjnych i technicznych środków ochronnych.

1. Instalacje wentylacji i/lub klimatyzacji powietrza w pomieszczeniach wewnątrz budynków:

- a) Dezynfekcja powierzchni elementów wyposażenia pomieszczeń oraz instalacji wentylacji i/lub klimatyzacji powietrza chemicznymi preparatami dezynfekującymi zalecanymi w liście N przez The Environmental Protection Agency (EPA).

Rodzaj i czas stosowania preparatu przedstawiono w załączniku 1 „Środki dezynfekujące przeciwko SARS-CoV-2”.

- b) Dezynfekcja całych pomieszczeń promieniowaniem UVC. Ogólne zasady dezynfekcji promieniowaniem UVC to:
- czas trwania dezynfekcji co najmniej 30 minut,
 - podczas dezynfekcji w pomieszczeniu nie mogą znajdować się ludzie
 - po zakończeniu dezynfekcji należy odczekać z użytkowaniem pomieszczeń dodatkowo 30 minut
 - promieniowanie UVC nie może być stosowane do dezynfekcji rąk i innych części ciała człowieka.

Szczegóły dezynfekcji promieniowaniem UVC podano w załączniku 2.

- c) Dezynfekcja wewnątrz instalacji wentylacji i/lub klimatyzacji oraz powierzchni filtrów powietrza promieniowaniem UVC.

Uwaga: dezynfekcja promieniowaniem UVC nie nadaje się do filtrów wysokoskutecznych typu EPA, HEPA i ULPA, z powodu ich głębokości i gęstości upakowania materiału filtracyjnego.

- d) Instalacja wentylacji i/lub klimatyzacji powinna zapewniać zadany układ ciśnień w pomieszczeniach bezwzględnie podczas każdego etapu pracy instalacji, bez względu na zanieczyszczenie filtrów powietrza, tryb pracy (pełna lub ograniczona wydajność) oraz inne zakłócenia pracy instalacji.
- e) Minimalna krotność wymian powietrza w pomieszczeniach nie powinna być mniejsza niż 2 h^{-1} , jednak z uwagi na zalecenia WHO sugeruje się co najmniej dwukrotne zwiększenie krotności wymian powietrza w pomieszczeniach, w których występuje zagrożenie wirusami.
- f) Zasadniczymi środkami ochronnymi instalacji wentylacyjnych i/lub klimatyzacyjnych są filtry powietrza.
- g) Filtry powietrza powinny być oznaczone i sklasyfikowane zgodnie z normami serii PN-EN ISO 16890, PN-EN ISO 29463 i PN-EN 1822-1. Ze względu na klasy filtracyjne filtry powietrza dzielimy na: wstępne (Coarse Air Filter), $e\text{PM}_{10}$ w stosunku do cząstek o wymiarach od 0,3 do 10 μm , $e\text{PM}_{2,5}$ w stosunku do cząstek o wymiarach od 0,3 do 2,5 μm , $e\text{PM}_1$ w stosunku do cząstek o wymiarach od 0,3 do 1 μm oraz wysokoskuteczne typu EPA (E) - Efficient Particulate Air Filter, HEPA (H) - High Efficient Particulate Air Filter i ULPA (U) - Ultra Low Penetration Air Filter lub odpowiednio klasy od ISO 15E do ISO 75U.
- h) Instalowanie filtrów powietrza jest wymagane we wszystkich przewodach wentylacyjnych doprowadzających powietrze z zewnątrz i powietrza recyrkulacyjnego. Filtry mogą być instalowane szeregowo w głównym ciągu instalacji wentylacyjnej lub poszczególnych przewodach instalacji.
- i) W instalacjach filtry wysokoskuteczne typu EPA, HEPA, ULPA powinny być poprzedzone filtrami wspomagającymi typu ISO Coarse, ISO PM_{10} , ISO $\text{PM}_{2,5}$ lub ISO PM_1 .
- j) Zalecana częstość kontroli czystości poszczególnych elementów instalacji wentylacyjnych i/lub klimatyzacyjnych wynosi odpowiednio dla:
 - centrali wentylacyjnych i/lub klimatyzacyjnych i/lub jednostek uzdatniających powietrza – 12 miesięcy
 - filtrów powietrza – 6 miesięcy lub zgodnie z zaleceniami producenta

- przewodów wentylacyjnych – 12 miesięcy
 - elementów/urządzeń końcowych typu anemostaty, kratki wentylacyjne – 12 miesięcy.
- k) Zużyte filtry powietrza stosowane w instalacjach wentylacyjnych i/lub klimatyzacyjnych powinny być usuwane jako „Odpady niebezpieczne” – kod 18 02 02*.
2. Instalacje wentylacji i/lub klimatyzacji powietrza w indywidualnych i zbiorowych środkach transportu
- a) Okresowa dezynfekcja powierzchni elementów doprowadzających powietrza do wnętrza chemicznymi preparatami dezynfekującymi zalecanymi w liście N przez EPA (Załącznik 1).
 - b) W przypadku stwierdzenia, że środkiem transportu poruszał się użytkownik u którego potwierdzono koronawirusa SARS-CoV-2, lub pasażerowie mieli kontakt z osobą zakażoną, wewnętrzne powierzchnie oraz instalacja wentylacji i lub klimatyzacji powinny zostać oczyszczona przy użyciu chemicznego preparatu dezynfekcyjnego zalecanego w liście N przez EPA (Załącznik 1).
 - c) Dezynfekcja całego wnętrza promieniowaniem UVC. Szczegóły dezynfekcji promieniowaniem UVC podano w załączniku 2.

Opracowali:

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List N: Products with Emerging Viral Pathogens AND Human Coronavirus claims for use against SARS-CoV-2
Date Accessed: 03/17/2020

EPA Registration Number	Active Ingredient/s	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact time (time surface should remain wet)	Formulation Type	Emerging Viral Pathogen Claim?	Date Added to List N
10324-105	Quaternary ammonium	MAQUAT 128 PD	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-108	Quaternary ammonium	MAQUAT 256-MN	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-112	Quaternary ammonium	MAQUAT 128-MN	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-113	Quaternary ammonium	MAQUAT 64-MN	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-114	Quaternary ammonium	MAQUAT 32-MN	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-115	Quaternary ammonium	MAQUAT 750-M	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-117	Quaternary ammonium	MAQUAT 710-M	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-140	Quaternary ammonium	MAQUAT MQ2525M-CPV	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-141	Quaternary ammonium	MAQUAT 256-NHQ	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-142	Quaternary ammonium	MAQUAT MQ2525M-14	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-154	Quaternary ammonium	MAQUAT 64-NHQ	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-155	Quaternary ammonium	MAQUAT 128-NHQ	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-156	Quaternary ammonium	MAQUAT 512-NHQ	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-157	Quaternary ammonium	MAQUAT 32-NHQ	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020

EPA Registration Number	Active Ingredient/s	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact time (time surface should remain wet)	Formulation Type	Emerging Viral Pathogen Claim?	Date Added to List N
10324-164	Quaternary ammonium	MAQUAT 256 PD	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-166	Quaternary ammonium	MAQUAT 32	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-167	Quaternary ammonium	MAQUAT 32 PD	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-177	Quaternary ammonium	MAQUAT 705-M	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-194	Quaternary ammonium	MAQUAT 2420-10	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-198	Quaternary ammonium	MAQUAT 702.5-M	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-214	Hydrogen Peroxide; Peroxyacetic Acid	MAGUARD 5626	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-230	Hydrogen Peroxide; Peroxyacetic Acid	MAGUARD 1522	MASON CHEMICAL COMPANY	Coronavirus	1 minute	DILUTABLE	N	03/03/2020
10324-57	Quaternary ammonium	MAQUAT 42	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-58	Quaternary ammonium	MAQUAT 128	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-63	Quaternary ammonium	MAQUAT 10	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-71	Quaternary ammonium	MAQUAT 280	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-72	Quaternary ammonium	MAQUAT 615-HD	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-80	Quaternary ammonium	MAQUAT 5.5-M	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-81	Quaternary ammonium	MAQUAT 7.5-M	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-85	Quaternary ammonium	MAQUAT 86-M	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020

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			COMPANY					
10324-93	Quaternary ammonium	MAQUAT 64-PD	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-94	Quaternary ammonium	MAQUAT 20-M	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-96	Quaternary ammonium	MAQUAT50-DS	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10324-99	Quaternary ammonium	MAQUAT 10-PD	MASON CHEMICAL COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
10492-4	Quaternary ammonium; Isopropanol	DISCIDE ULTRA DISINFECTING TOWELETTES	PALMERO HEALTHCARE, LLC	Coronavirus	30 second	WIPE	N	03/03/2020
10492-5	Quaternary ammonium; Isopropanol	DISCIDE ULTRA DISINFECTING SPRAY	PALMERO HEALTHCARE, LLC	Coronavirus	30 second	RTU	N	03/03/2020
11346-4	Quaternary ammonium	CLOROX QS	THE CLOROX COMPANY	Coronavirus	2 minutes	RTU	N	03/03/2020
1672-65	Sodium hypochlorite	AUSTIN A-1 ULTRA DISINFECTING BLEACH	JAMES AUSTIN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
1672-67	Sodium hypochlorite	AUSTIN'S A-1 CONCENTRATED BLEACH 8.25%	JAMES AUSTIN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1677-129	Hydrogen Peroxide; Peroxyacetic Acid	COSA OXONIA ACTIVE	Ecolab Inc	Poliovirus	10 minutes	DILUTABLE	Y	03/03/2020
1677-204	Octanoic acid	65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER	ECOLAB, INC.	Coronavirus	2 minutes	DILUTABLE	N	03/03/2020
1677-226	Hydrogen Peroxide; Octanoic Acid; Peroxyacetic Acid	VIRASEPT	Ecolab Inc	Norovirus; Rhinovirus	4 minutes	RTU	Y	03/03/2020

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1677-233	Quaternary ammonium	MULTI-PURPOSE DISINFECTANT CLEANER	ECOLAB, INC.	Coronavirus	1 minute	DILUTABLE	N	03/03/2020
1677-235	Sodium hypochlorite	BLEACH DISINFECTANT CLEANER	Ecolab Inc	Murine Norovirus; Poliovirus; Rhinovirus	1 minute	RTU	Y	03/03/2020
1677-237	Hydrogen Peroxide; Peroxyacetic Acid	OXYCIDE DAILY DISINFECTANT CLEANER	Ecolab Inc	Feline Calicivirus; Rhinovirus	3 minutes	DILUTABLE	Y	03/03/2020
1677-238	Hydrogen Peroxide	PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT	Ecolab Inc/Kay Chemical Co.	Canine Parvovirus	5 minutes	DILUTABLE	Y	03/03/2020
1677-241	Sodium hypochlorite	HYDRIS	ECOLAB, INC.	Coronavirus	5 minutes	RTU	N	03/03/2020
1677-249	Isopropanol	KLERCIDE 70/30 IPA	Ecolab Inc	Rhinovirus	5 minutes	RTU	Y	03/03/2020
1677-250	Hydrogen peroxide; peroxyoctanoic acid; peroxyacetic acid	Synergex	Ecolab Inc	Reovirus	5 minutes	DILUTABLE	Y	03/03/2020
1677-251	Hydrogen Peroxide	PEROXIDE DISINFECTANT AND GLASS CLEANER RTU	Ecolab Inc/Kay Chemical Co.	Canine Parvovirus	5 minutes	RTU	Y	03/03/2020
1677-256	Quaternary ammonium	FSC 35K	ECOLAB, INC.	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-155	Quaternary ammonium	BTC 2125M 20% SOLUTION	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
1839-166	Quaternary ammonium	BTC 885 NDC-128	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
1839-167	Quaternary ammonium	BTC 885 NEUTRAL DISINFECTANT CLEANER-256	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
1839-168	Quaternary ammonium	BTC 885 NDC-32	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
1839-169	Quaternary ammonium	BTC 885 NEUTRAL DISINFECTANT CLEANER-64	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020

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1839-176	Quaternary ammonium	LIQUID-PAK NEUTRAL DISINFECTANT CLEANER	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
1839-190	Quaternary ammonium	STEPAN DISINFECTANT WIPE	STEPAN COMPANY	Coronavirus	10 minutes	WIPE	N	03/03/2020
1839-211	Quaternary ammonium	SC-AHD-64	STEPAN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-212	Quaternary ammonium	SC-AHD-256	STEPAN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-213	Quaternary ammonium	SC-AHD-128	STEPAN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-214	Quaternary ammonium	SC-NDC-256	STEPAN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-215	Quaternary ammonium	SC-NDC-128	STEPAN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-220	Quaternary ammonium	SC-RTU DISINFECTANT CLEANER	STEPAN COMPANY	Poliovirus	5 minutes	RTU	Y	03/03/2020
1839-225	Quaternary ammonium	SC-RTU-TB	STEPAN COMPANY	Coronavirus	2 minutes	RTU	N	03/03/2020
1839-233	Quaternary ammonium	SC-5:64N	STEPAN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-235	Quaternary ammonium	SC-5:256N	STEPAN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-236	Quaternary ammonium	SC-5:128N	STEPAN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-244	Quaternary ammonium	SC -5:64HN	STEPAN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-245	Quaternary ammonium	SC-5:256HN	STEPAN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-246	Quaternary ammonium	SC-5:128HN	STEPAN COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
1839-248	Quaternary ammonium	Stepan Spray Disinfectant Concentrate	STEPAN COMPANY	Rhinovirus	5 minutes	DILUTABLE	Y	03/03/2020
1839-78	Quaternary ammonium	NP 3.2 DETERGENT/ DISINFECTANT	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
1839-79	Quaternary ammonium	NP 4.5 DETERGENT/ DISINFECTANT	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
1839-81	Quaternary ammonium	NP 9.0 DETERGENT/	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020

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		DISINFECTANT						
1839-83	Quaternary ammonium	DETERGENT DISINFECTANT PUMP SPRAY	STEPAN COMPANY	Canine Parvovirus	10 minutes	RTU	Y	03/03/2020
1839-86	Quaternary ammonium	BTC 2125 M 10% SOLUTION	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
1839-94	Quaternary ammonium	NP 3.2 (D & F) DETERGENT/ DISINFECTANT	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
1839-95	Quaternary ammonium	NP 4.5 (D & F) DETERGENT/ DISINFECTANT	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
1839-96	Quaternary ammonium	NP 9.0 (D & F) DETERGENT/ DISINFECTANT	STEPAN COMPANY	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
34810-31	Phenolic	WEX-CIDE 128	WEXFORD LABS, INC.	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
37549-1	Sodium Hypochlorite	MICRO-KILL BLEACH GERMICIDAL BLEACH WIPES	MEDLINE INDUSTRIES INC	Norovirus	30 SECONDS	WIPE	Y	03/03/2020
37549-2	Sodium Hypochlorite	MICRO-KILL BLEACH SOLUTION	MEDLINE INDUSTRIES INC	Norovirus	30 SECONDS	RTU	Y	03/03/2020
3862-191	Quaternary ammonium	ASSURE	ABC COMPOUNDING CO., INC	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
4091-20	Quaternary ammonium	PHOENIX 2	W.M. BARR & COMPANY, INC.	Coronavirus	1 minute	RTU	N	03/03/2020
4091-22	Quaternary ammonium; Citric acid	RAPTOR 5	W.M. BARR & COMPANY, INC	Rhinovirus	5 minutes	RTU	Y	03/03/2020
4091-23	Sodium hypochlorite; Sodium carbonate	MOLD ARMOR FORMULA 400	W.M. BARR & COMPANY, INC.	Coronavirus	30 seconds	RTU	N	03/03/2020

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42182-9	Quaternary ammonium; Ethanol	FIREBIRD F130	MICROBAN PRODUCTS COMPANY	Poliovirus; Norovirus	5 minutes	RTU	Y	03/03/2020
42964-17	Quaternary ammonium; ethanol	ASEPTICARE	AIRKEM PROFESSIONAL PRODUCTS	Coronavirus	2 minutes	RTU	N	03/03/2020
44446-23	Quaternary ammonium	Germ Away	Quest Specialty Corp.	Canine parvovirus	10 minutes	RTU	Y	03/03/2020
46781-12	Quaternary ammonium; Ethanol; Isopropanol	CAVICIDE 1	METREX RESEARCH	Adenovirus; Rotavirus; Feline Calicivirus	3 minutes	RTU	Y	03/03/2020
46781-13	Quaternary ammonium; Ethanol; Isopropanol	CAVIWIPES 1	METREX RESEARCH	Adenovirus	3 minutes	WIPE	Y	03/03/2020
46781-14	Sodium Hypochlorite	CAVIWIPES BLEACH	METREX RESEARCH	Feline calicivirus	3 minute	WIPE	Y	03/03/2020
46781-15	Sodium Hypochlorite	CAVICIDE BLEACH	METREX RESEARCH	Poliovirus; Rhinovirus	3 minutes	RTU	Y	03/03/2020
46781-6	Quaternary ammonium; Isopropanol	CAVICIDE	METREX RESEARCH	Coronavirus	2 minutes	RTU	N	03/03/2020
47371-129	Quaternary ammonium	FORMATION HWS-256	H&S CHEMICALS DIVISION OF LONZA, LLC	Adenovirus	10 minutes	DILUTABLE	Y	03/03/2020
47371-130	Quaternary ammonium	FORMULATION HWS-128	H&S CHEMICALS DIVISION OF LONZA, LLC	Adenovirus	10 minutes	DILUTABLE	Y	03/03/2020
47371-131	Quaternary ammonium	HWS-64	H&S CHEMICALS DIVISION OF LONZA, LLC	Adenovirus	10 minutes	DILUTABLE	Y	03/03/2020
47371-192	Quaternary ammonium	FORMULATION HWS-32	H&S CHEMICALS DIVISION OF LONZA, LLC	Adenovirus	10 minutes	DILUTABLE	Y	03/03/2020
4822-548	Triethylene glycol; Quaternary ammonium	COMBO	S.C. JOHNSON & SON, INC.	Coronavirus	5 minutes	PRESSURIZED LIQUID	N	03/03/2020

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4822-606	L-Lactic Acid	FANGIO	S.C. JOHNSON & SON, INC.	Coronavirus	10 minutes	RTU	N	03/03/2020
4822-607	Quaternary ammonium	LAUDA	S.C. JOHNSON & SON, INC.	Coronavirus	5 minutes	RTU	N	03/03/2020
4822-608	L-Lactic Acid	GURNEY	S.C. JOHNSON & SON, INC.	Coronavirus	5 minutes	RTU	N	03/03/2020
4822-609	Quaternary ammonium	STEWART	S.C. JOHNSON & SON, INC.	Coronavirus	3 minutes	RTU	N	03/03/2020
4822-613	Quaternary ammonium	GERTRUDE	S.C. JOHNSON & SON, INC.	Coronavirus	5 minutes	RTU	N	03/03/2020
54289-4	Peroxyacetic Acid	PERACLEAN 15 (PEROXYACETIC ACID SOLUTION)	EVONIK CORPORATION	Coronavirus	1 minute	DILUTABLE	N	03/03/2020
56392-10	Sodium Hypochlorite	CALTECH SWAT 200 9B	CLOROX PROFESSIONAL PRODUCTS COMPANY	Coronavirus	2 minutes	RTU	N	03/03/2020
56392-7	Sodium hypochlorite	Clorox Healthcare® Bleach Germicidal Cleaner Spray	Clorox Professional Products Company	Canine Parvovirus; Feline Panleukopenia Virus; Hepatitis A Virus; Norovirus; Poliovirus; Rhinovirus	1 minute	RTU	Y	03/03/2020
5813-100	Sodium hypochlorite	PUMA	The Clorox Company	Canine parvovirus	10 minutes	DILUTABLE	Y	03/03/2020
5813-102	Sodium hypochlorite	CGB1	The Clorox Company	Canine parvovirus	10 minutes	DILUTABLE	Y	03/03/2020
5813-103	Sodium hypochlorite	CGB3	CLOROX CO., THE	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
5813-104	Sodium hypochlorite	CGB4	CLOROX CO., THE	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
5813-105	Sodium hypochlorite	Clorox Multi Surface Cleaner + Bleach	The Clorox Company	Rhinovirus; Canine Parvovirus; Feline Panleukopenia Virus; Norovirus; Poliovirus	1 minute	RTU	Y	03/03/2020

EPA Registration Number	Active Ingredient/s	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact time (time surface should remain wet)	Formulation Type	Emerging Viral Pathogen Claim?	Date Added to List N
5813-106	Sodium hypochlorite	AXL	CLOROX CO., THE	Coronavirus	1 minute	RTU	N	03/03/2020
5813-109	Quaternary ammonium	SAY Q	The Clorox Company	Rotavirus	10 minutes	RTU	Y	03/03/2020
5813-110	Hydrogen Peroxide	Clorox Pet Solutions Advanced Formula Disinfecting Stain & Odor Remover	The Clorox Company	Enterovirus D68; Norovirus; Rhinovirus	5 minutes	RTU	Y	03/03/2020
5813-111	Sodium hypochlorite	Clorox Disinfecting Bleach2	The Clorox Company	Canine Parvovirus; Feline Parvovirus	10 minutes	DILUTABLE	Y	03/03/2020
5813-113	Quaternary ammonium	CDW	The Clorox Company	Rotavirus	4 minutes	WIPE	Y	03/03/2020
5813-114	Sodium hypochlorite	Clorox Performance Bleach1	The Clorox Company	Canine Parvovirus; Feline Parvovirus	10 minutes	DILUTABLE	Y	03/03/2020
5813-115	Quaternary ammonium	Clorox Scentiva Bathroom Disinfecting Foam Cleaner	The Clorox Company	Rotavirus	5 minutes	RTU	Y	03/03/2020
5813-118	Quaternary ammonium	DASH	The Clorox Company	Rotavirus	10 minutes	RTU	Y	03/03/2020
5813-21	Sodium hypochlorite	Clorox Clean Up Cleaner + Bleach	The Clorox Company	Norovirus; Poliovirus	5 minutes	RTU	Y	03/03/2020
5813-40	Quaternary ammonium	Clorox Disinfecting Bathroom Cleaner	The Clorox Company	Rhinovirus	10 minutes	RTU	Y	03/03/2020
5813-50	Sodium hypochlorite	ULTRA CLOROX BRAND REGULAR BLEACH	CLOROX CO., THE	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
5813-58	Quaternary ammonium	SPRUCE-UPS	The Clorox Company	Rotavirus	15 seconds	WIPE	Y	03/03/2020
5813-73	Quaternary ammonium	CLOROX EVEREST	CLOROX CO., THE	Coronavirus	30 seconds	RTU	N	03/03/2020
5813-79	Quaternary ammonium	Clorox Disinfecting Wipes	The Clorox Company	Rotavirus	4 minutes	WIPE	Y	03/03/2020

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5813-86	Glycolic Acid	CBW	CLOROX CO., THE	Coronavirus	10 minutes	IMPREGNATED MATERIALS	N	03/03/2020
5813-89	Sodium hypochlorite	Clorox Toilet Bowl Cleaner with Bleach	The Clorox Company	Rhinovirus; Rotavirus	10 minutes	RTU	Y	03/03/2020
5813-93	Glycolic Acid	SHOW	CLOROX CO., THE	Coronavirus	10 minutes	IMPREGNATED MATERIALS	N	03/03/2020
5813-98	Sodium hypochlorite	LITE	CLOROX CO., THE	Coronavirus	1 minute	RTU	N	03/03/2020
5813-99	Sodium hypochlorite	WAVE	CLOROX CO., THE	Coronavirus	1 minute	WIPE	N	03/03/2020
61178-1	Quaternary ammonium	D-125	MICROGEN, INC	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
61178-5	Quaternary ammonium	CCX-151	MICROGEN, INC	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
6198-4	Quaternary ammonium	Q. A. CONCENTRATED SOLUTION	NATIONAL CHEMICALS, INC.	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
62472-2	Quaternary ammonium	KENNELSOL HC	ALPHA TECH PET, INC.	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
63761-10	Quaternary ammonium; Sodium Carbonate Peroxyhydrate	STERILEX ULTRA STEP	STERILEX	Feline Calicivirus; Rotavirus	10 minutes	DILUTABLE	Y	03/03/2020
63761-8	Quaternary ammonium; Hydrogen Peroxide	STERILEX ULTRA DISINFECTANT CLEANER SOLUTION 1	STERILEX	Feline Calicivirus	10 minutes	DILUTABLE	Y	03/03/2020
6659-3	Quaternary ammonium	Spray Nine	ITW Permatex, Inc.	Norovirus; Rhinovirus; Poliovirus	30 seconds	RTU	Y	03/03/2020
675-54	Quaternary ammonium	LYSOL BRAND HEAVY DUTY CLEANER DISINFECTANT CONCENTRATE	RECKITT BENCKISER	Rotavirus	5 minutes	DILUTABLE	Y	03/03/2020
67619-10	Quaternary ammonium	CPPC EVEREST	CLOROX PROFESSIONAL PRODUCTS	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020

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			COMPANY					
67619-11	Sodium Hypochlorite	CPPC SHOWER	COLORX PROFESSIONAL PRODUCTS COMPANY	Coronavirus	1 minute	RTU	N	03/03/2020
67619-12	Sodium hypochlorite	Clorox Healthcare® Bleach Germicidal Wipes	Clorox Professional Products Company	Canine Parvovirus; Feline Parvovirus	3 minutes	WIPE	Y	03/03/2020
67619-13	Sodium Hypochlorite	CPPC STORM	COLORX PROFESSIONAL PRODUCTS COMPANY	Coronavirus	1 minute	RTU	N	03/03/2020
67619-16	Sodium hypochlorite	Clorox Commercial Solutions® Toilet Bowl Cleaner with Bleach1	Clorox Professional Products Company	Rotavirus; Rhinovirus 39	10 minutes	RTU	Y	03/03/2020
67619-17	Sodium hypochlorite	Clorox Commercial Solutions® Clorox® Clean-Up Disinfectant Cleaner with Bleach1	Clorox Professional Products Company	Norovirus	5 minutes	RTU	Y	03/03/2020
67619-20	Quaternary ammonium	REX	COLORX PROFESSIONAL PRODUCTS COMPANY	Hepatitis A virus	10 minutes	RTU	Y	03/03/2020
67619-21	Quaternary ammonium; Ethanol	Clorox Commercial Solutions® Clorox® Disinfecting Spray	Clorox Professional Products Company	Coxsackie Virus; Echovirus; Feline Calicivirus; Hepatitis A Virus; Poliovirus	10 minutes	RTU	Y	03/03/2020
67619-24	Hydrogen Peroxide	Clorox Commercial Solutions® Hydrogen Peroxide Cleaner Disinfectant	Clorox Professional Products Company	Norovirus; Rhinovirus; Rotavirus	1 minutes	RTU	Y	03/03/2020

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67619-25	Hydrogen Peroxide	Clorox Commercial Solutions® Hydrogen Peroxide Cleaner Disinfectant Wipes	Clorox Professional Products Company	Norovirus	2 minutes	WIPE	Y	03/03/2020
67619-26	Sodium Hypochlorite	BORIS	CLOROX PROFESSIONAL PRODUCTS COMPANY	Canine parvovirus	10 minutes	DILUTABLE	Y	03/03/2020
67619-27	Sodium Hypochlorite	BUSTER	CLOROX PROFESSIONAL PRODUCTS COMPANY	Coronavirus	5 minutes	RTU	N	03/03/2020
67619-28	Sodium Hypochlorite	MILO	CLOROX PROFESSIONAL PRODUCTS COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
67619-29	Ethanol	Saginaw	Clorox Professional Products Company	Coxsackievirus; Hepatitis A Virus; Rhinovirus; Rotavirus	5 minutes	RTU	Y	03/03/2020
67619-30	Sodium hypochlorite	GNR	Clorox Professional Products Company	Coxsackievirus; Feline Calicivirus; Feline Panleukopenia Virus; Minute virus of mice; Poliovirus; Rhinovirus Type 37	1 minute	RTU	Y	03/03/2020
67619-31	Quaternary ammonium	Clorox Commercial Solutions® Clorox® Disinfecting Wipes	Clorox Professional Products Company	Rotavirus	4 minutes	WIPE	Y	03/03/2020
67619-32	Sodium hypochlorite	CloroxPro™ Clorox® Germicidal Bleach	Clorox Professional Products Company	Canine Parvovirus; Coxsackievirus B3 Virus; Enterovirus D68; Norovirus; Feline Parvovirus; Hepatitis A	5 minutes	DILUTABLE	Y	03/03/2020

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				Virus; Murine Norovirus; Poliovirus; Rhinovirus				
67619-33	Hydrogen Peroxide	Clorox Commercial Solutions® Clorox® Disinfecting Biostain & Odor Remover	Clorox Professional Products Company	Enterovirus, Norovirus; Rhinovirus Type 37	5 minutes	RTU	Y	03/03/2020
67619-35	Peracetic Acid; Hydrogen Peroxide	BLACKSMITH	CLOROX PROFESSIONAL PRODUCTS COMPANY	Rhinovirus	1 minute	RTU	Y	03/03/2020
67619-37	Quaternary ammonium	Clorox Healthcare® VersaSure® Wipes	Clorox Professional Products Company	Norovirus	5 minutes	WIPE	Y	03/03/2020
67619-38	Quaternary ammonium	CloroxPro™ Clorox Total 360® Disinfecting Cleaner1	Clorox Professional Products Company	Coxsackievirus Type B3	5 minutes	RTU	Y	03/03/2020
67619-41	Quaternary ammonium	PPD DASH	CLOROX PROFESSIONAL PRODUCTS COMPANY	Rotavirus	10 minutes	DILUTABLE	Y	03/03/2020
67619-8	Sodium Hypochlorite	CPPC ULTRA BLEACH 2	CLOROX PROFESSIONAL PRODUCTS COMPANY	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
67619-9	Quaternary ammonium	PJW-622	CLOROX PROFESSIONAL PRODUCTS COMPANY	Rotavirus	3 minutes	WIPE	Y	03/03/2020
6836-136	Quaternary ammonium	LONZA FORMULATION S-18F	LONZA, LLC	Feline calicivirus	10 minutes	DILUTABLE	Y	03/03/2020
6836-139	Quaternary ammonium	LONZA	LONZA, LLC	Feline calicivirus	10 minutes	DILUTABLE	Y	03/03/2020

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6836-140	Quaternary ammonium	FORMULATION R-82F LONZA FORMULATION S-21F	LONZA, LLC	Norovirus	10 minutes	DILUTABLE	Y	03/03/2020
6836-152	Quaternary ammonium	LONZA FORMULATION DC-103	LONZA, LLC	Norovirus	10 minutes	RTU	Y	03/03/2020
6836-233	Quaternary ammonium	BARDAC 205M-50	LONZA, LLC	Coronavirus	1 minute	DILUTABLE	N	03/03/2020
6836-266	Quaternary ammonium	BARDAC 205M-10	LONZA, LLC	Norovirus	10 minutes	DILUTABLE	Y	03/03/2020
6836-277	Quaternary ammonium	BARDAC 205M-1.30	LONZA, LLC	Norovirus	10 minutes	DILUTABLE	Y	03/03/2020
6836-278	Quaternary ammonium	BARDAC 205M-14.08	LONZA, LLC	Norovirus	10 minutes	DILUTABLE	Y	03/03/2020
6836-289	Quaternary ammonium	BARDAC 205M RTU	LONZA, LLC	Norovirus	10 minutes	RTU	Y	03/03/2020
6836-302	Quaternary ammonium	BARDAC 205M-2.6	LONZA, LLC	Norovirus	10 minutes	DILUTABLE	Y	03/03/2020
6836-303	Quaternary ammonium	BARDAC 205M-5.2	LONZA, LLC	Norovirus	10 minutes	DILUTABLE	Y	03/03/2020
6836-305	Quaternary ammonium	BARDAC 205M-23	LONZA, LLC	Norovirus	10 minutes	DILUTABLE	Y	03/03/2020
6836-313	Quaternary ammonium	LONZA DISINFECTANT WIPES	LONZA, LLC	Rotavirus	10 minutes	WIPE	Y	03/03/2020
6836-336	Quaternary ammonium	LONZA DISINFECTANT WIPES PLUS	LONZA, LLC	Coronavirus	4 minutes	WIPE	N	03/03/2020
6836-340	Quaternary ammonium	LONZA DISINFECTANT WIPES PLUS 2	LONZA, LLC	Norovirus	10 minutes	WIPE	Y	03/03/2020
6836-346	Quaternary ammonium	LONZAGARD RCS-256	LONZA, LLC	Norovirus	5 minutes	DILUTABLE	Y	03/03/2020
6836-347	Quaternary ammonium	LONZAGARD RCS-128	LONZA, LLC	Feline calicivirus; Enterovirus	5 minutes	DILUTABLE	Y	03/03/2020
6836-348	Quaternary ammonium	LONZAGARD	LONZA, LLC	Feline calicivirus;	5 minutes	DILUTABLE	Y	03/03/2020

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6836-349	Quaternary ammonium	RCS-128 PLUS LONZAGARD RCS-256 PLUS	LONZA, LLC	Enterovirus Enterovirus D68; Norovirus	5 minutes	DILUTABLE	Y	03/03/2020
6836-361	Quaternary ammonium	NUGEN MB5A-256	LONZA, LLC	Norovirus	5 minutes	DILUTABLE	Y	03/03/2020
6836-362	Quaternary ammonium	NUGEN MB5A-128	LONZA, LLC	Norovirus	5 minutes	DILUTABLE	Y	03/03/2020
6836-363	Quaternary ammonium	NUGEN MB5A-64	LONZA, LLC	Norovirus	5 minutes	DILUTABLE	Y	03/03/2020
6836-364	Quaternary ammonium	NUGEN MB5N-256	LONZA, LLC	Norovirus	5 minutes	DILUTABLE	Y	03/03/2020
6836-365	Quaternary ammonium	NUGEN MB5N-128	LONZA, LLC	Norovirus	5 minutes	DILUTABLE	Y	03/03/2020
6836-366	Quaternary ammonium	NUGEN MB5N-64	LONZA, LLC	Norovirus	5 minutes	DILUTABLE	Y	03/03/2020
6836-372	Quaternary ammonium	NUGEN 2M DISINFECTANT WIPES	LONZA, LLC	Coronavirus	2 minutes	WIPE	N	03/03/2020
6836-381	Quaternary ammonium	LONZAGARD R-82G	LONZA, LLC	Coronavirus	1 minute	DILUTABLE	N	03/03/2020
6836-382	Quaternary ammonium	NUGEN LOW STREAK DISINFECTANT WIPES	LONZA, LLC	Coronavirus	4 minutes	WIPE	N	03/03/2020
6836-70	Quaternary ammonium	BARDAC 205M-7.5	LONZA, LLC	Norovirus	10 minutes	DILUTABLE	Y	03/03/2020
6836-75	Quaternary ammonium	LONZA FOUMLATION S-21	LONZA, LLC	Norovirus	10 minutes	DILUTABLE	Y	03/03/2020
6836-77	Quaternary ammonium	LONZA FORMULATION S- 18	LONZA, LLC	Norovirus	10 minutes	DILUTABLE	Y	03/03/2020
6836-78	Quaternary ammonium	LONZA FORMULATION R- 82	LONZA, LLC	Norovirus	10 minutes	DILUTABLE	Y	03/03/2020
70060-19	Sodium chlorite; Sodium Dischloroisocyanurate dihydrate	ASEPTROL S10-TAB	BASF CORPORATION	Coronavirus	10 minutes	SOLID	N	03/03/2020
70144-4	Quaternary ammonium; ethanol	OPTI-CIDE MAX WIPES	MICRO-SCIENTIFIC, LLC	Coronavirus	2 minutes	WIPE	N	03/03/2020
70144-5	Quaternary ammonium;	OPTI-CIDE MAX	MICRO-SCIENTIFIC,	Coronavirus	2 minutes	RTU	N	03/03/2020

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	ethanol		LLC					
70271-13	Sodium Hypochlorite	PURE BRIGHT GERMICIDAL ULTRA BLEACH	KIK INTERNATIONAL LLC	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020
70385-6	Quaternary ammonium	QGC	PRORESTORE PRODUCTS	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
70590-2	Sodium Hypochlorite	BLEACH-RITE DISINFECTING SPRAY WITH BLEACH	CURRENT TECHNOLOGIES INC	Coronavirus	1 minute	RTU	N	03/03/2020
70627-15	Quaternary ammonium	WARRIOR	DIVERSEY, INC.	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
70627-2	Quaternary ammonium	DISINFECTANT D.C. 100	DIVERSEY, INC.	Coronavirus	2 minutes	RTU	N	03/03/2020
70627-23	Quaternary ammonium	VIREX II/ 64	DIVERSEY, INC.	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
70627-24	Quaternary ammonium	VIREX™ II / 256	Diversey, Inc.	Adenovirus Type 2	10 minutes	DILUTABLE	Y	03/03/2020
70627-35	Quaternary ammonium	ENVY FOAMING DISINFECTANT CLEANER	DIVERSEY, INC.	Coronavirus	3 minutes	DILUTABLE	N	03/03/2020
70627-56	Hydrogen Peroxide	OXIVIR Tb	Diversey, Inc.	Norovirus; Rhinovirus; Poliovirus Type 1	1 minute	RTU	Y	03/03/2020
70627-58	Hydrogen Peroxide	OXY-TEAM™ DISINFECTANT CLEANER	Diversey, Inc.	Canine Parvovirus; Feline Picornavirus	5 minutes	DILUTABLE	Y	03/03/2020
70627-6	Phenolic	PHENOLIC DISINFECTANT HG	DIVERSEY, INC.	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
70627-60	Hydrogen Peroxide	OXIVIR™ WIPES	Diversey, Inc.	Norovirus; Poliovirus Type 1; Rhinovirus Type 14	1 minute	WIPE	Y	03/03/2020
70627-62	Hydrogen Peroxide	PHATO 1:64 DISINFECTANT CLEANER	DIVERSEY, INC.	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020

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70627-63	Quaternary ammonium	512 SANITIZER	DIVERSEY, INC.	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
70627-72	Sodium hypochlorite	Avert Sporicidal Disinfectant Cleaner	Diversey, Inc.	Canine Parvovirus; Norovirus; Hepatitis A; Poliovirus Type 1	1 minute	DILUTABLE	Y	03/03/2020
70627-74	Hydrogen Peroxide	OXIVIR 1	Diversey, Inc.	Canine Parvovirus; Enterovirus Type D68	1 minute	RTU	Y	03/03/2020
70627-75	Sodium hypochlorite	AVERT SPORICIDAL DISINFECTANT CLEANER WIPES	DIVERSEY, INC.	Coronavirus	1 minute	WIPE	N	03/03/2020
70627-77	Hydrogen Peroxide	Oxivir 1 Wipes	Diversey, Inc.	Enterovirus Type D68	1 minute	WIPE	Y	03/03/2020
70627-78	Hydrogen Peroxide	SURETOUCH	DIVERSEY, INC.	Coronavirus	5 minutes	RTU	N	03/03/2020
71847-6	Sodium dichloro-s-triazinetrione	KLORSEPT	MEDENTECH LTD	Hepatitis A virus	10 minutes	DILUTABLE	Y	03/03/2020
71847-7	Sodium dichloro-s-triazinetrione	KLORKLEEN 2	MEDENTECH LTD	Hepatitis A virus	10 minutes	DILUTABLE	Y	03/03/2020
72977-3	Silver ion; Citric Acid	AXEN(R) 30	ETI H2O, INC.	Coronavirus	10 minutes	RTU	N	03/03/2020
72977-5	Silver ion; Citric Acid	SDC3A	ETI H2O, INC.	Coronavirus	1 minute	RTU	N	03/03/2020
74559-1	Hydrogen Peroxide	ACCEL TB	VIROX TECHNOLOGIES INC.	Poliovirus; Feline Calicivirus	1 minute	RTU	Y	03/03/2020
74559-10	Hydrogen Peroxide	OXY-1 WIPES	VIROX TECHNOLOGIES INC.	Poliovirus	30 seconds	WIPE	Y	03/03/2020
74559-3	Hydrogen Peroxide	ACCEL TB WIPES	VIROX TECHNOLOGIES INC.	Poliovirus	1 minute	WIPE	Y	03/03/2020
74559-4	Hydrogen Peroxide	ACCEL (CONCENTRATE) DISINFECTANT CLEANER	VIROX TECHNOLOGIES INC.	Poliovirus	5 minutes	DILUTABLE	Y	03/03/2020
74559-6	Hydrogen Peroxide	OXY-RES	VIROX	Coronavirus	5 minutes	DILUTABLE	N	03/03/2020

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		(CONCENTRATE)	TECHNOLOGIES INC.					
74559-8	Hydrogen Peroxide	ACCEL 5 RTU	VIROX TECHNOLOGIES INC.	Coronavirus	5 minutes	RTU	N	03/03/2020
74559-9	Hydrogen Peroxide	OXY-1 RTU	VIROX TECHNOLOGIES INC.	Poliovirus	30 seconds	RTU	Y	03/03/2020
74986-4	Sodium chlorite	SELECTROCIDE 2L500	SELECTIVE MICRO TECHNOLOGIES, LLC	Coronavirus	10 minutes	SOLUBLE CONCENTRATE	N	03/03/2020
74986-5	Sodium chlorite	SELECTROCIDE 5G	SELECTIVE MICRO TECHNOLOGIES, LLC	Coronavirus	10 minutes	SOLID	N	03/03/2020
777-114	Quaternary ammonium	STING	RECKITT BENCKISER LLC.	Rotavirus	10 minutes	WIPE	Y	03/03/2020
777-127	Quaternary ammonium; Ethanol	LYSOL® DISINFECTANT MAX COVER MIST	RECKITT BENCKISER	Norovirus	10 minutes	RTU	Y	03/03/2020
777-130	Quaternary ammonium	CATERPILLAR	RECKITT BENCKISER LLC.	Coronavirus	2.5 minutes	WIPE	N	03/03/2020
777-131	Hypochlorous acid	COUSTEAU	RECKITT BENCKISER LLC.	Coronavirus	10 minutes	RTU	N	03/03/2020
777-132	Hydrochloric Acid	LYSOL BRAND POWER PLUS TOILET BOWL CLEANER	RECKITT BENCKISER	Poliovirus Type 1	10 minutes	RTU	Y	03/03/2020
777-136	Ethanol	COUSTEAU P	RECKITT BENCKISER LLC.	Coronavirus	30 seconds	RTU	N	03/03/2020
777-66	Quaternary ammonium	LYSOL BRAND DISINFECTANT DIRECT MULTI-	RECKITT BENCKISER LLC.	Coronavirus	2 minutes	RTU	N	03/03/2020

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		PURPOSE CLEANER						
777-70	Quaternary ammonium	LYSOL BRAND CLING & FRESH TOILET BOWL CLEANER	RECKITT BENCKISER	Rotavirus	30 seconds	RTU	Y	03/03/2020
777-81	Hydrochloric Acid	LYSOL BRAND LIME & RUST TOILET BOWL CLEANER	RECKITT BENCKISER	Poliovirus Type 1; Hepatitis A virus	10 minutes	RTU	Y	03/03/2020
777-82	Quaternary ammonium	LYSOL BRAND DEODORIZING DISINFECTANT CLEANER	RECKITT BENCKISER LLC.	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
777-83	Sodium hypochlorite	LYSOL BRAND BLEACH MOLD AND MILDEW REMOVER	RECKITT BENCKISER	Rhinovirus; Norovirus	30 seconds	RTU	Y	03/03/2020
777-89	Quaternary ammonium	LYSOL BRAND CLEAN & FRESH MULTI-SURFACE CLEANER	RECKITT BENCKISER	Rotavirus WA	3 minutes	DILUTABLE	Y	03/03/2020
777-91	Quaternary ammonium	CITRUS SCENT LYSOL BRAND ANTIBACTERIAL KITCHEN CLEANER II	RECKITT BENCKISER LLC.	Coronavirus	2 minutes	RTU	N	03/03/2020
777-99	Quaternary ammonium; Ethanol	LYSOL® DISINFECTANT SPRAY	RECKITT BENCKISER	Norovirus	10 minutes	RTU	Y	03/03/2020
83614-1	Quaternary ammonium	DETSAN24	BYOTROL, INC.	Feline calivirus	5 minutes	RTU	Y	03/03/2020
8383-12	Hydrogen Peroxide; Peroxyacetic Acid	PERIDOX	CONTEC, INC.	Coronavirus	2 minutes	DILUTABLE	N	03/03/2020
8383-13	Hydrogen Peroxide; Peroxyacetic Acid	PERIDOX RTU™	CONTEC, INC.	Coronavirus	2 minutes	RTU	N	03/03/2020

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8383-14	Hydrogen Peroxide; Peroxyacetic Acid	PERIDOXRTU (BRAND) ONE-STEP GERMICIDAL WIPES	CONTEC, INC.	Coronavirus	30 seconds	WIPE	N	03/03/2020
8383-3	Phenolic	SPORICIDIN (BRAND) DISINFECTANT SOLUTION (SPRAY)	CONTEC, INC.	Coronavirus	5 minutes	RTU	N	03/03/2020
8383-7	Phenolic	SPORICIDIN (BRAND) DISINFECTANT TOWELETTES	CONTEC, INC.	Coronavirus	5 minutes	WIPE	N	03/03/2020
84150-1	Ethanol	PURELL Professional Surface Disinfectant Wipes	GOJO Industries, Inc.	Norovirus	5 minutes	WIPE	Y	03/03/2020
84150-2	Ethanol	MITERSAW	GOJO INDUSTRIES, INC.	Feline calivirus	5 minutes	WIPE	Y	03/03/2020
84368-1	Ethanol	URTHPRO	URTHTECH, LLC	Hepatitis A virus	1 minute	RTU	Y	03/03/2020
85343-1	Quaternary ammonium	TECCARE CONTROL	TALLEY ENVIRONMENTAL CARE LIMITED	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
87508-3	Sodium chlorite	PERFORMACIDE	ODORSTAR, LLC	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
87742-1	Thymol	THYMOX DISINFECTANT SPRAY	LABORATORIE M2	Norovirus	4 minutes	RTU	Y	03/03/2020
88494-1	Quaternary ammonium; Ethanol	WEDGE DISINFECTANT	NORTH AMERICAN INFECTION CONTROL, LTD.	Coronavirus	1 minute	DILUTABLE	N	03/03/2020
88494-3	Quaternary ammonium; Ethanol	PEAK DISINFECTANT	North American Infection Control, Ltd	Poliovirus Type 1; Rhinovirus	1 minute	RTU	Y	03/03/2020
88494-4	Quaternary ammonium; Ethanol	PEAK DISINFECTANT	NORTH AMERICAN INFECTION	Poliovirus Type 1; Rhinovirus	1 minute	WIPE	Y	03/03/2020

EPA Registration Number	Active Ingredient/s	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact time (time surface should remain wet)	Formulation Type	Emerging Viral Pathogen Claim?	Date Added to List N
89896-2	Hypochlorous Acid	WIPES CLEANSMART	CONTROL, LTD SIMPLE SCIENCE LIMITED	Coronavirus	10 minutes	RTU	N	03/03/2020
89900-1	Hydrogen Peroxide	NATHAN 2	S.C. JOHNSON PROFESSIONAL	Coronavirus	5 minutes	RTU	N	03/03/2020
90150-2	Hydrogen Peroxide	BINARY IONIZATION TECHNOLOGY (BIT) SOLUTION	TOMI ENVIRONMENTAL SOLUTIONS, INC.	Feline calicivirus	15 minutes	FOG; MIST	Y	03/13/2020
90287-1	Quaternary ammonium	MAQUAT 25.6-PDX	VI-JON, INC.	Coronavirus	10 minutes	DILUTABLE	N	03/03/2020
9402-14	Hydrogen peroxide; ammonium carbonate; ammonium bicarbonate	HITMAN SPRAY	KIMBERLY-CLARK GLOBAL SALES, LLC	Coronavirus	5 minutes	RTU	N	03/03/2020
9402-15	Hydrogen peroxide; ammonium carbonate; ammonium bicarbonate	VICTOR SPRAY	KIMBERLY-CLARK GLOBAL SALES, LLC	Coronavirus	5 minutes	PRESSURIZED LIQUID	N	03/03/2020
9402-17	Hydrogen peroxide; ammonium carbonate; ammonium bicarbonate	HITMAN WIPE	KIMBERLY-CLARK GLOBAL SALES, LLC	Coronavirus	6 minutes	WIPE	N	03/03/2020
9480-10	Quaternary ammonium; Ethanol; Isopropanol	Sani-Prime Germicidal Spray	Professional Disposables International, Inc.	Feline Calicivirus	3 minutes	RTU	Y	03/03/2020
9480-12	Quaternary ammonium; Ethanol; Isopropanol	Sani-Cloth Prime Germicidal Disposable Wipe	Professional Disposables International, Inc.	Feline Calicivirus	3 minutes	WIPE	Y	03/03/2020
9480-14	Hydrogen Peroxide	Sani-HyPerCide Germicidal Spray	Professional Disposables International, Inc.	Norovirus	1 minute	RTU	Y	03/03/2020
9480-4	Quaternary ammonium	SANI-CLOTH GERMICIDAL WIPES	PROFESSIONAL DISPOSABLES INTERNATIONAL, INC.	Coronavirus	2 minutes	WIPE	N	03/03/2020
9480-5	Quaternary ammonium	SANI-CLOTH	PROFESSIONAL	Coronavirus	3 minutes	WIPE	N	03/03/2020

EPA Registration Number	Active Ingredient/s	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact time (time surface should remain wet)	Formulation Type	Emerging Viral Pathogen Claim?	Date Added to List N
		GERMICIDAL DISPOSABLE CLOTH	DISPOSABLES INTERNATIONAL, INC.					
9480-8	Sodium hypochlorite	PDI SANI-CLOTH BLEACH WIPES	PROFESSIONAL DISPOSABLES INTERNATIONAL, INC.	Coronavirus	1 minute	WIPE	N	03/03/2020
9480-9	Quaternary ammonium	FREESTAR	PROFESSIONAL DISPOSABLES INTERNATIONAL, INC.	Coronavirus	3 minutes	WIPE	N	03/03/2020

KORONAWIRUS A PROMIENIOWANIE UV

Zgodnie z doniesieniami naukowymi oraz oświadczeniem Narodowej Komisji Zdrowia w Chinach, koronawirus SARS-CoV-2 jest wrażliwy na promieniowanie nadfioletowe, zwłaszcza z zakresu UVC (200 - 280 nm). Zatem, podobnie jak inne bakterie i wirusy, może on być efektywnie eliminowany poprzez zastosowanie lamp bakteriobójczych.

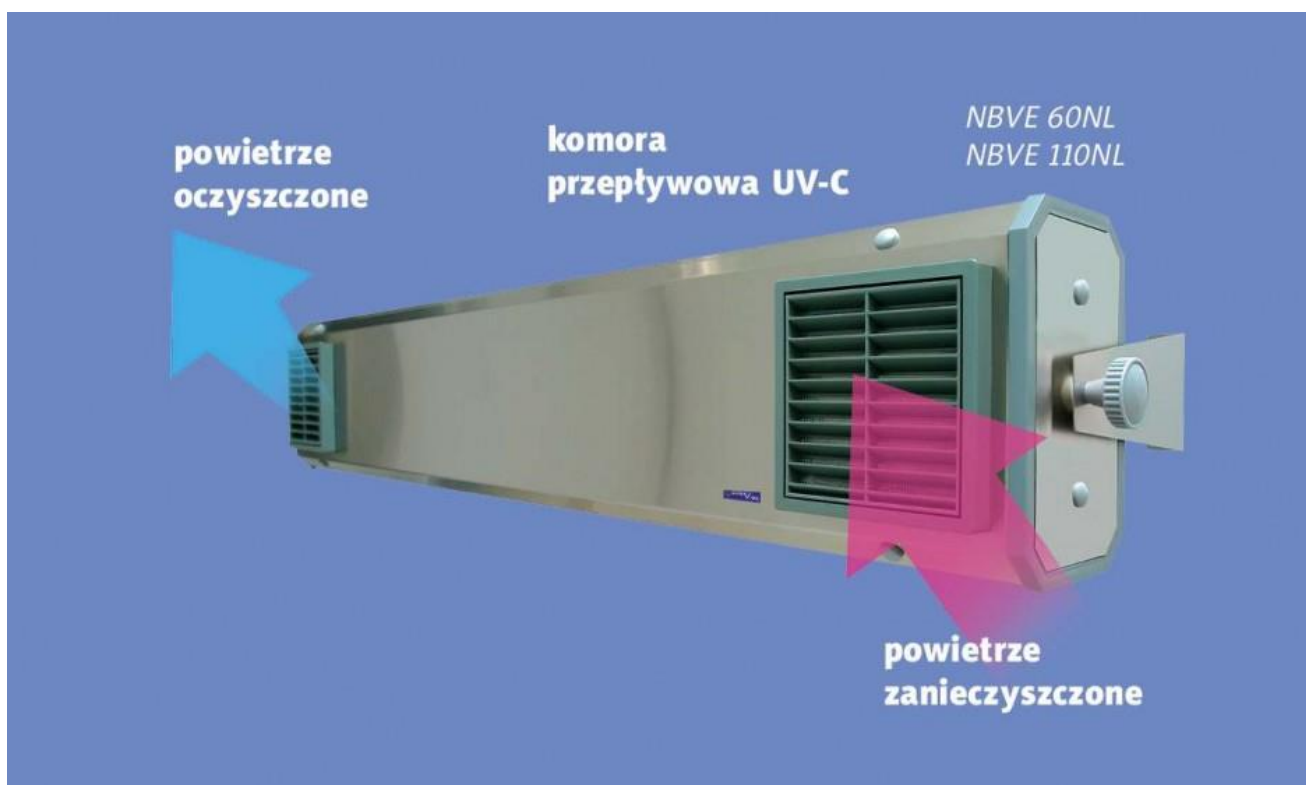
Należy jednak pamiętać, że promieniowanie lamp bakteriobójczych (UVC) jest szkodliwe dla zdrowia człowieka, szczególnie narażone jest skóra i oczy. W związku z tym, ustanowione są wartości graniczne ekspozycji tzw. maksymalne dopuszczalne ekspozycje (MDE) na promieniowanie UV (zawarte w Rozporządzeniu Ministra Rodziny, Pracy i Polityki Społecznej z dnia 12 czerwca 2018 r. w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy). W ciągu zmiany roboczej (bez względu na czas jej trwania) napromienienie promieniowaniem UV (dawka) nie może przekraczać wartości 30 J/m².

W dostępnych aktualnie materiałach (dane Narodowej Komisji Zdrowia w Chinach), pomieszczenia powinny być dezynfekowane bezpośrednim promieniowaniem nadfioletowym o natężeniu napromienienia powyżej 1,5 W/m², przez co najmniej 30 minut. Oznacza to, że niezbędna dawka do eliminacji tych patogenów wynosi, co najmniej 2700 J/m². Jest to równoznaczne z 90-krotnym przekroczeniem wartości MDE wynoszącej 30 J/m². W związku z tym człowiek nie może przebywać w pomieszczeniu dezynfekowanym bezpośrednim promieniowaniem UVC.

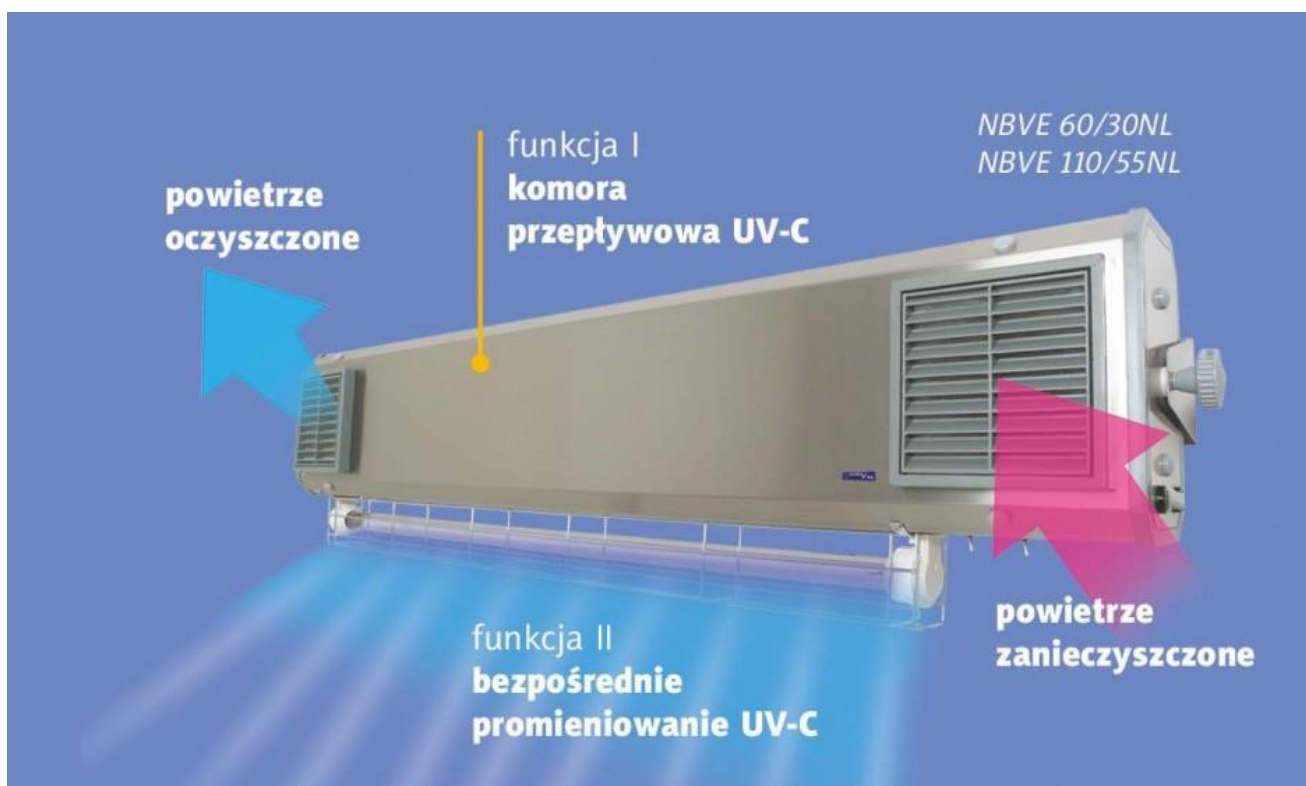
Zamiast bezpośredniego naświetlania powierzchni, możliwe jest rozwiązanie bezpieczniejsze, polegające na zastosowaniu opraw bakteriobójczych z funkcją wymuszonego przepływu powietrza. W tych oprawach dezynfekcja powietrza odbywa się w zamkniętej obudowie – uniemożliwiającej przenikanie promieniowania UVC na zewnątrz oprawy, dzięki czemu podczas procesu dezynfekcji osoby przebywające w pomieszczeniu nie są narażone na oddziaływanie promieniowania UVC.

Tego typu oprawy występują w dwóch podstawowych wariantach: jednofunkcyjnym: tylko przepływowa dezynfekcja powietrza (rys. 1a) lub dwufunkcyjnym z dodatkową funkcją dezynfekcji bezpośredniej tzn. z dodatkowymi promiennikami UVC zamontowanymi na zewnątrz oprawy (rys. 1b).

Rys. 1. Oprawa bakteriobójcza
a) wersja jednofunkcyjna, b) wersja dwufunkcyjna



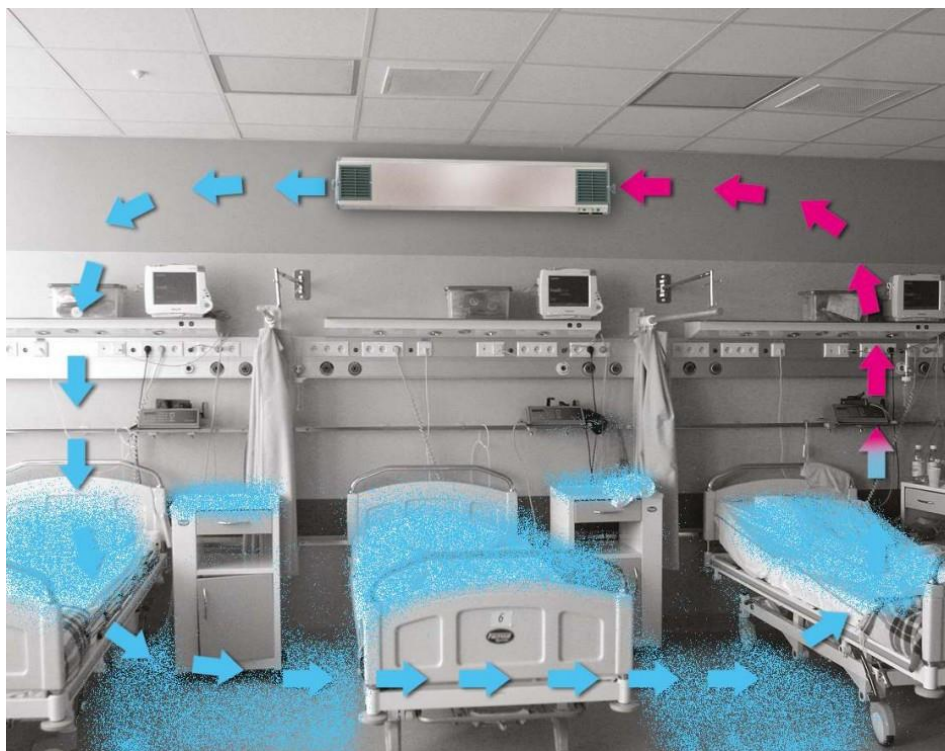
a)



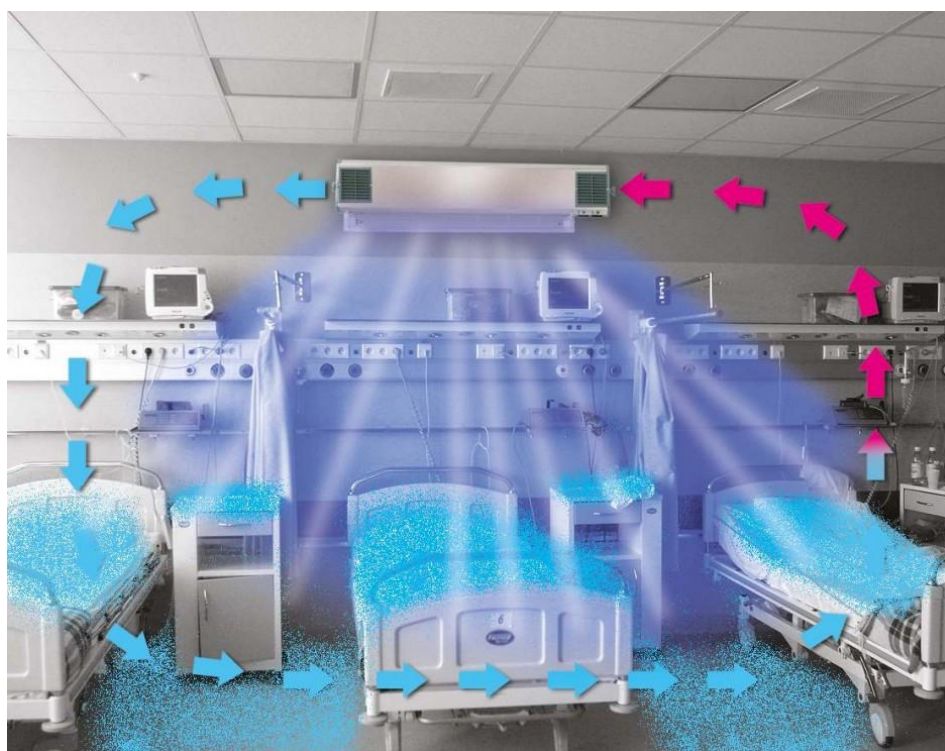
b)

Zasada działania oprawy bakteriobójczej przedstawia rys. 2 a i 2 b.

Rys. 2. Zasada działania oprawy bakteriobójczej
a) wersja jednofunkcyjna, b) wersja dwufunkcyjna



a)



b)

W obecnej sytuacji zagrożenia koronawirusem wydaje się najlepszym rozwiązaniem stosowanie opraw bakteriobójczych w wariantcie jednofunkcyjnym (tzn. z wymuszonym przepływem powietrza). Oprawy takie mogą być umieszczone na suficie, ścianie lub mocowane na ruchomym (mobilnym) statywie (rys. 3). Z tego względu możliwe jest ich stosowanie zarówno w pomieszczeniach pracy, w poczekalniach, korytarzach itp. Należy jednak pamiętać, że wydajność jednej oprawy (w zależności od jej mocy) wynosi od ok.100 do 200 m³/h.



Rys. 3. Przykładowa oprawa bakteriobójcza w wersji mobilnej