Mine Safety Appliances Company
Pittsburgh, Pennsylvania, USA
1-800-672-2222

NIOSH

PREMAIRE CADET DUO-TWIN RESPIRATOR FAMILY

COMBINATION TYPE C DEMAND / PRESSURE DEMAND CLASS SUPPLIED AIR AND CHEMICAL CARTRIDGE RESPIRATOR

THESE RESPIRATORS ARE APPROVED ONLY IN THE FOLLOWING CONFIGURATIONS:

RESPIRATOR COMPONENTS

TC-	PROTECTION [1]	ALTERNATE FACEPIECE						ALTERNATE REGULATORS						ALTERNATE HOSE				SUPPLY UNIT	BELT	ALTERNATE ADAPTER				
		DUO TWIN MEDIUM	DUO TWIN SMALL	DUO TWIN LARGE	DUO TWIN MEDIUM	DUO TWIN SMALL	DUO TWIN LARGE	REGULATOR ASSEMBLY	REGULATOR ASSEMBLY	REGULATOR ASSEMBLY	REGULATOR ASSEMBLY	REGULATOR ASSEMBLY	REGULATOR ASSEMBLY	HOSE PVC 8/15/25/50 FT	HOSE, PVC, 100 FT	HOSE NEOPRENE 8/15/25/50/100 FT	HOSE NYLON 8/15/25/50 FT	SUPPLY UNIT	BELT ASSEMBLY	UNION ADAPTER	UNION ADAPTER	COUPLING NUT	QUICK DISCONNECT ADAPTER	ADAPTER ASSEMBLY
		7-752-1	7-752-2	7-752-3	7-1049-1	7-1049-2	7-1049-3	7-1046-1	7-1047-1	7-1048-1	7-1427-1	7-1450-1	7-1456-1	7-664-1	7-664-2	7-665-1	5-511-1	7-1081-1	7-977-1	69542	628232	96547	492495	812839
84A-1187	P100/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1188	P100/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23C-1157	OV/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1189	P100/OV/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1190	P100/OV/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1585	N95/OV/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1895	N99/OV/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1770	R95/OV/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23C-1158	CL/HC/SD/CD/HS (escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1191	P100/CL/HC/SD/CD/HS (escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1192	P100/CL/HC/SD/CD/HS (escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1586	N95/CL/HC/SD/CD/HS(escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1896	N99/CL/HC/SD/CD/HS(escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1771	R95/CL/HC/SD/CD/HS(escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23C-1159	OV/CL/HC/SD/CD/HS(escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1193	P100/OV/CL/HC/SD/CD/HS(escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1194	P100/OV/CL/HC/SD/CD/HS(escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1587	N95/OV/CL/HC/SD/CD/HS(escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1897	N99/OV/CL/HC/SD/CD/HS(escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1772	R95/OV/CL/HC/SD/CD/HS(escape)/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23C-1160	AM/MA/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1195	P100/AM/MA/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1196	P100/AM/MA/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1588	N95/AM/MA/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1898	N99/AM/MA/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1773	R95/AM/MA/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23C-1170	OV/CL/HC/SD/FM/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1197	P100/OV/CL/HC/SD/FM/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1198	P100/OV/CL/HC/SD/FM/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1589	N95/OV/CL/HC/SD/FM/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1899	N99/OV/CL/HC/SD/FM/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1774	R95/OV/CL/HC/SD/FM/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1199	P100/OV/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1201	P100/MV/CL/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1202	P100/MV/CL/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23C-1592	OV/CL/HC/SD/AM/MA/CD/HS(escape)/FM/HF/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1203	P100/OV/CL/HC/SD/AM/MA/CD/HS(escape)/FM/HF/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1590	N95/OV/CL/HC/SD/AM/MA/CD/HS(escape)/FM/HF/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1900	N99/OV/CL/HC/SD/AM/MA/CD/HS(escape)/FM/HF/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1775	R95/OV/CL/HC/SD/AM/MA/CD/HS(escape)/FM/HF/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1204	N95/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1584	N95/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-1894	N99/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
84A-2871	R95/PD/DE/SA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

TC-	ALTERNATE FILTER								ALTERNATE CARTRIDGES																				COVERS	COVERS
	COMFO P100	COMFO P100 SPARKFOE	COMFO P100 LOW PROFILE	COMFO N95 FILTER	COMFO N95 STAND-ALONE FILTER	COMFO N99 FILTER	COMFO R95 FILTER	COMFO R95 STAND-ALONE	COMFO GMA	COMFO GMA-P100	COMFO GMA-P100 LOW PROFILE	COMFO GMB	COMFO GMB -P100	COMFO GMB -P100 LOW PROFILE	COMFO GMC	COMFO GMC-P100	COMFO GMC-P100 LOW PROFILE	COMFO GMD	COMFO GMD-P100	COMFO GMD-P100 LOW PROFILE	COMFO GMF	COMFO GMF-P100	COMFO GMF-P100 LOW PROFILE	COMFO GMI-P100	COMFO MERSORB P-100	COMFO MERSORB P-100 LP	COMFO GME	COMFO GME-P100	COMFO FILTER COVER	COMFO FILTER COVER
	814922	814921	814915	816291	814994	816292	816285	816293	459315	814923	814926	459316	814925	814928	459317	814902	814916	459318	814924	814927	489719	814917	814920	814903	814905	814919	492772	814904	489219	489353
84A-1187	X	X																												
84A-1188			X																											
23C-1157									X																					
84A-1189										X																				
84A-1190											X																			
84A-1585				X					X																					X
84A-1895						X			X																					X
84A-1770							X		X																				X	
23C-1158												X																		
84A-1191													X																	
84A-1192														X																
84A-1586				X								X																		X
84A-1896						X						X																		X
84A-1771							X					X																	X	
23C-1159															X															
84A-1193																X														
84A-1194																	X													
84A-1587				X											X															X
84A-1897						X									X															X
84A-1772							X								X														X	
23C-1160																		X												
84A-1195																			X											
84A-1196																				X										
84A-1588				X														X												X
84A-1898						X												X												X
84A-1773							X											X											X	
23C-1170																					X									
84A-1197																						X								
84A-1198																							X							
84A-1589				X																	X									X
84A-1899						X															X									X
84A-1774							X														X								X	
84A-1199																								X						
84A-1201																									X					
84A-1202																										X				
23C-1592																											X			
84A-1203																												X		
84A-1590				X																							X			X
84A-1900						X																					X			X
84A-1775							X																				X		X	
84A-1204					X																									X
84A-1584				X																										X
84A-1894						X																								X
84A-2871								X																						X

TC-	ALTERNATE NOSECUP				ACCESSORIES: KIT SPECTACLE	CONNECTION	CONNECTION	ADAPTER	ADAPTER	AMPLIFIER	CLIP	CLIP	CLIP	COMM. SYSTEM	COMM. SYSTEM	COVER	COVER	AIRLINE FILTER	CAUTIONS AND LIMITATIONS [2]
	NOSECUP, SMALL HYCAR	NOSECUP, MEDIUM, HYCAR	NOSECUP LARGE, HYCAR	NOSECUP, SM/MED/LG/ SILICONE	SPECTACLE KIT	SUIT PASS THROUGH CONNECTION	AIR SUPPLY HOSE CONNECTION	INTEGRAL WELDERS'S ADAPTER	CLIP-ON WELDERS'S ADAPTER	ESP AMPLIFIER	RETAINING CLIP ASSY	BELT MNTED REGULATOR CLIP QD	BELT MNTED REGULATOR CLIP	VARI-CLEAR COMM. KIT	CLEAR COM V KIT	COVER LENS CLEAR	COVER LENS TINTED	AIRLINE FILTER ASSEMBLY	
	471539	471540	471541	5-393-1	454819	5-573-1	4-280-1	470786	472859	811737	812837	801346	803713	496917	474500	456975	480326	811940	
84A-1187	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1188	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
23C-1157	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOS
84A-1189	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1190	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1585	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1895	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1770	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
23C-1158	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOS
84A-1191	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1192	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1586	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1896	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1771	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
23C-1159	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOS
84A-1193	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1194	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1587	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1897	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1772	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
23C-1160	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOS
84A-1195	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1196	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1588	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1898	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1773	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
23C-1170	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOS
84A-1197	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1198	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1589	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1899	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1774	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1199	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1201	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1202	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
23C-1592	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1203	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1590	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1900	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1775	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGHIJLMNOPS
84A-1204	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1584	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1894	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-2871	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS

1. PROTECTION

P100- Particulate Filter (99.97% filter efficiency level) effective against all particulate aerosols

N95- Particulate Filter (95% filter efficiency level) effective against particulate aerosols free of oil; time use restrictions may apply

R95- Particulate Filter (95% filter efficiency level) effective against all particulate aerosols; time use restrictions may apply

N99- Particulate Filter (99% filter efficiency level) effective against particulate aerosols free of oil; time use restrictions may apply

AM- Ammonia
CD- Chlorine dioxide
CL- Chlorine
FM- Formaldehyde
HC- Hydrogen chloride
HF- Hydrogen fluoride
HS- Hydrogen sulfide (escape)
MA- Methlyamine
MV- Mecury vapor
OV- Organic vapor
SD- Sulfur dioxide

2. CAUTIONS AND LIMITATIONS

A- Not for use in atmospheres containing less than 19.5 percent oxygen.
B- Not for use in atmospheres immediately dangerous to life or health.
C- Do not exceed maximum use concentrations established by regulatory standards.
D- Airline respirators can be used only when the respirators are supplied with respirable air meeting the requirements of CGA G-7.1 Grade D or higher quality.
E- Use only the pressure ranges and hose lengths specified in the User's Instructions.
G- If airflow is cut off, switch to filter and/or cartridge and immediately exit to clean air.
H- Do not wear for protection against organic vapors with poor warning properties or those which generate high heats of reaction with sorbent.
I - Contains electrical parts which have not been evaluated as an ignition source in flammable or explosive atmospheres by MSHA / NIOSH.
J- Failure to properly use and maintain this product could result in injury or death.
L- Follow the manufacturer's User's Instructions for changing cartridges and/or filters.
M- All approved respirators shall be selected, fitted, used, and maintained in accordance with MSHA, OSHA, and other applicable regulations.
N- Never substitute, modify, add, or omit parts. Use only exact replacement parts in the configuration as specified by the manufacturer.
O- Refer to User's Instructions, and/or maintenance manuals for information on use and maintenance of these respirators.
P- NIOSH does not evaluate respirators for use as surgical masks.
S- Special or critical user's instructions and/or specific use limitations apply. Refer to User's Instructions before donning.

CONTROL BOX
Mat. 816922
Doc. 10000008245
REV. 7 5/24/00
PREMAIRE CADET
DUO -TWIN RESP. FAMILY
Prnt. Spec. 10000008114
H