



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

CONSTANT FLOW/PRESSURE DEMAND DUO TWIN RESPIRATOR FAMILY

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

THESE RESPIRATORS ARE APPROVED ONLY IN THE FOLLOWING CONFIGURATIONS:

TC-	PROTECTION ¹	ALTERNATE FACEPIECE		RESPIRATOR COMPONENTS														ACCESSORIES											CAUTIONS AND LIMITATIONS ²																				
		DUO TWIN MEDIUM	DUO TWIN SMALL	DUO TWIN LARGE	ALTERNATE FILTER	ALTERNATE COMFO CARTRIDGES														COVERS	COVERS	ADAPTER	ALT. HOSE	ALT. TUBE	VALVE	ALT. BELTS	ALTERNATE NOSECUPS	KIT SPECTACLE		AMPLIFIER	COMM. SYSTEM	COMM. SYSTEM	ADAPTER	ADAPTER	COVER	COVER	CONNECTION												
		7-708-1	7-708-2	7-708-3	814822	814821	814915	816291	816285	459315	814823	814826	459316	814825	459317	814802	814916	459318	814824	814803	814804	489219	489353	96547	7-664-1	7-664-2	7-665-1	5-611-1	456651	457158	5-622-1	7-977-1	473902	487446	471539	471540	471541	5-3893-1	454819	811737	498917	474500	477066	472659	456875	489326	4-280-1		
84A-1243	P100/CF/DE/PD/SA	X	X	X	X																			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1244	P100/CF/DE/PD/SA	X	X	X	X																			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
23C-1089	OV/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1245	P100/OV/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1246	P100/OV/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1571	N95/OV/CF/DE/PD/SA	X	X	X				X																X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS		
84A-1758	R95/OV/CF/DE/PD/SA	X	X	X					X															X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
23C-1077	CL/HC/SD/CD/HS(escape)/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1247	P100/CL/HC/SD/CD/HS(escape)/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1572	N95/CL/HC/SD/CD/HS(escape)/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1759	R95/CL/HC/SD/CD/HS(escape)/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
23C-1078	OV/CL/HC/SD/CD/HS(escape)/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1249	P100/OV/CL/HC/SD/CD/HS(escape)/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1250	P100/OV/CL/HC/SD/CD/HS(escape)/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1573	N95/OV/CL/HC/SD/CD/HS(escape)/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1760	R95/OV/CL/HC/SD/CD/HS(escape)/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
23C-1079	AM/MA/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1251	P100/AM/MA/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS	
84A-1574	N95/AM/MA/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1761	R95/AM/MA/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1575	N95/OV/CL/HC/SD/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1762	R95/OV/CL/HC/SD/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1255	P100/OV/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1257	P100/MV/CL/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1259	P100/OV/CL/HC/SD/AM/MA/CD/HS(escape)/FM/HF/ND/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	ABCDEGIJLMNOPS
84A-1570	N95/CF/DE/PD/SA	X	X	X																				X	X	X	X	X	X	X	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

- AM- Ammonia
- CD- Chlorine dioxide
- CL- Chlorine
- FM- Formaldehyde
- HC- Hydrogen chloride
- HF- Hydrogen fluoride
- HS(escape)- Hydrogen sulfide (escape)
- MA- Methylamine
- MV- Mercury vapor
- OV- Organic vapor
- SD- Sulfur dioxide
- CF - Continuous Flow
- DE - Demand
- PD - Pressure Demand
- SA - Supplied Air
- ND- Nitrogen 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- Follow established cartridge and canister change schedules or observe ESLI to ensure that cartridges and canisters are replaced before breakthrough occurs
- I- Contains electrical parts that may cause an ignition in flammable or explosive atmospheres.
- 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
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10000020460
REV 14 8/6/08
Spec. 10000005412
Spec. 10000005412
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TAL 8-29-08