Technical Data Sheet

Description			
Description	MSA Affinity 1110 FFP1 NR D		
Part Number	10128847		
Approval and marking according to	EN 149:2001 + A:2009 and EN 143:2000+A1:2006		
Conditions of use	Respiratory protection against: -aerosol particles, -water-based aerosols (dust, smoke), -aerosols with liquid dispersed phase (mist) where the concentration of the dispersed phase does not exceed 4 x Permissible Limit Value		
Colour code	**not aplicable**		
Characteristics			
Weight [g]	9-11		
Width [mm]	125		
Height [mm]	135		
Performances		EN 149:2001 requirements	Average values
Breathing Resistance	at 95 l/min	210 Pa	81 Pa
NaCl and paraffin oil penetration test	at 95 l/min		
	sodium chloride [NaCl]	20%	0,7%
	paraffin oil	20%	1,3%
Dolomite clogging test	D marking		
Material			
Filtering material	polypropylene		
Head straps	syntetic latex		
Details/Special Information			
Storage conditions & time	-20°C to + 40°C, < 90 % r. h.	5,0 years	

Technical Data Sheet

Description			
Description	MSA Affinity 1111 V FFP1 NR D		
Part Number	10128848		
Approval and marking according to	EN 149:2001 + A:2009 and EN 143:2000+A1:2006		
Conditions of use	Respiratory protection against: -aerosol particles, -water-based aerosols (dust, smoke), -aerosols with liquid dispersed phase (mist) where the concentration of the dispersed phase does not exceed 4 x Permissible Limit Value		
Colour code	**green**		
Characteristics			
Weight [g]	14-16		
Width [mm]	125		
Height [mm]	135		
Performances		EN 149:2001 requirements	Average values
Breathing Resistance	at 95 l/min	210 Pa	105 Pa
NaCl and paraffin oil penetration test	at 95 l/min		
	sodium chloride [NaCl]	20%	0,7%
	paraffin oil	20%	1,3%
Dolomite clogging test	D marking		
Material			
Filtering material	polypropylene		
Head straps	syntetic latex		
Valve	polypropylene		
Details/Special Information			
Storage conditions & time	-20°C to + 40°C, < 90 % r. h.	5,0 years	

Technical Data Sheet

Description			
Description	MSA Affinity 1120 FFP2 NR D		
Part Number	10128849		
Approval and marking according to	EN 149:2001 + A:2009 and EN 143:2000+A1:2006		
Conditions of use	Respiratory protection against: -aerosol particles, -water-based aerosols (dust, smoke), -aerosols with liquid dispersed phase (mist) where the concentration of the dispersed phase does not exceed 10 x Permissible Limit Value		
Colour code	**not aplicable**		
Characteristics			
Weight [g]	9-11		
Width [mm]	125		
Height [mm]	135		
Performances		EN 149:2001 requirements	Average values
Breathing Resistance	at 95 l/min	240 Pa	138 Pa
NaCl and paraffin oil penetration test	at 95 l/min		
	sodium chloride [NaCl]	6%	0,1%
	paraffin oil	6%	0,2%
Dolomite clogging test	D marking		
Material			
Filtering material	polypropylene		
Head straps	syntetic latex		
Details/Special Information			
Storage conditions & time	-20°C to + 40°C, < 90 % r. h.	5,0 years	

Technical Data Sheet

Description			
Description	MSA Affinity 1121 FFP2 NR D		
Part Number	10128850		
Approval and marking according to	EN 149:2001 + A:2009 and EN 143:2000+A1:2006		
Conditions of use	Respiratory protection against: -aerosol particles, -water-based aerosols (dust, smoke), -aerosols with liquid dispersed phase (mist) where the concentration of the dispersed phase does not exceed 10 x Permissible Limit Value		
Colour code	**yellow**		
Characteristics			
Weight [g]	14-16		
Width [mm]	125		
Height [mm]	135		
Performances		EN 149:2001 requirements	Average values
Breathing Resistance	at 95 l/min	240 Pa	153 Pa
NaCl and paraffin oil penetration test	at 95 l/min		
	sodium chloride [NaCl]	6%	0,3%
	paraffin oil	6%	0,7%
Dolomite clogging test	D marking		
Material			
Filtering material	polypropylene		
Head straps	syntetic latex		
Valve	polypropylene		
Details/Special Information			
Storage conditions & time	-20°C to + 40°C, < 90 % r. h.	5,0 years	

Technical Data Sheet

Description			
Description	MSA Affinity 1131 V FFP3 NR D		
Part Number	10128871		
Approval and marking according to	EN 149:2001 + A:2009 and EN 143:2000+A1:2006		
Conditions of use	Respiratory protection against: -aerosol particles, -water-based aerosols (dust, smoke), -aerosols with liquid dispersed phase (mist) where the concentration of the dispersed phase does not exceed 30 x Permissible Limit Value		
Colour code	red		
Characteristics			
Weight [g]	21-23		
Width [mm]	125		
Height [mm]	135		
Performances		EN 149:2001 requirements	Average values
Breathing Resistance	at 95 l/min	300 Pa	213 Pa
NaCl and paraffin oil penetration test	at 95 l/min		
	sodium chloride [NaCl]	1%	0,03%
	paraffin oil	1%	0,08%
Dolomite clogging test	D marking		
Material			
Filtering material	polypropylene		
Head straps	syntetic latex		
Valve	polypropylene		
Details/Special Information			
Storage conditions & time	-20°C to + 40°C, < 90 % r. h.	5,0 years	

Technical Data Sheet

Description			
Description	MSA Affinity 1141 FFP2 NR D		
Part Number	10128873		
Approval and marking according to	EN 149:2001 + A:2009 and EN 143:2000+A1:2006		
Conditions of use	Respiratory protection against: -aerosol particles, -water-based aerosols (dust, smoke), -aerosols with liquid dispersed phase (mist) where the concentration of the dispersed phase does not exceed 10 x Permissible Limit Value		
Colour code	**blue**		
Characteristics			
Weight [g]	18-20		
Width [mm]	125		
Height [mm]	135		
Performances		EN 149:2001 requirements	Average values
Breathing Resistance	at 95 l/min	240 Pa	164 Pa
NaCl and paraffin oil penetration test	at 95 l/min		
	sodium chloride [NaCl]	6%	0,24%
	paraffin oil	6%	0,46%
Dolomite clogging test	D marking		
Material			
Filtering material	polypropylene		
Head straps	syntetic latex		
Valve	polypropylene		
carbon layer	polyester/polyolefin activated carbon min 90 g/m²		
Details/Special Information			
Storage conditions & time	-20°C to + 40°C, < 90 % r. h.	5,0 years	
Additional feature	The additional carbon layer offers relief from low concentration levels of Acid Gases (including HF), only below TLV (nuisance levels). Warning: this mask should not be used as a Respiratory Protection against Acid Gases.		