

“Masks” are a broad category – the higher the level of protection, the more complex the supply chain



Powered air purifying respirators (PAPR)



Air purifying respirators



Face Fitting Respirators (FFRs) – NIOSH rated



Surgical/ Procedure Masks –ASTM rated



“Non-rated” Face Masks

Description	Closed systems that use a motor to push air through a filter and into a “hood”	“Gas Mask” – user powered air purifying respirators	Distinguished by the close fit to face, rated based on particulate level they filter out (EG N95)	Three levels distinguished by level of liquid protection they provide (“spray” testing)	“DIY” masks, no liquid protection or ASTM rating
Example product	<u>3M Versaflo TR-300</u>	<u>Advantage 3200</u>	<u>3M 8210V, N95 Mask</u>	<u>Cardinal Health Surgical Mask</u>	<u>Brooks Brothers Face Mask</u>
Rated particulate filtration	✓	✓	✓	✗	✗
Production complexity	High	High	High	Medium	Low
Price	~\$1,000 per unit	~\$250-\$500 for unit (Replaceable cartridges an additional ~\$25-\$50)	~\$1 under normal circumstances, as high as \$5 with current crisis	\$0.25-\$0.50 per mask (sold in boxes of 20-50)	Free (for DIY), to \$10-\$20 for higher quality, reusable masks