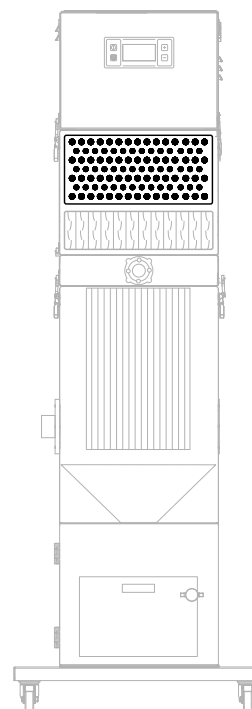
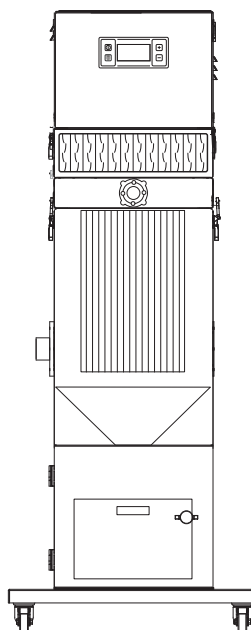


## FP 150 AUTO SYSTEM

| TECHNICAL DATA       |                                 |                     |                                |                    |
|----------------------|---------------------------------|---------------------|--------------------------------|--------------------|
| Free Airflow         | 165                             | CFM                 | 280                            | m <sup>3</sup> /hr |
| Effective Airflow    | 30-147                          | CFM                 | 50-250                         | m <sup>3</sup> /hr |
| Static Pressure      | 80.3                            | in/H <sub>2</sub> O | 20,000                         | PA                 |
| Voltage              | 100-240                         | V                   | NEMA 6-15                      | Plug               |
| Intake Socket        | Left or Right<br>~ 2, 2.5, or 3 | inches              | Left or Right<br>50, 63, or 80 | mm                 |
| Collection Container | 4                               | gallon              | 15                             | liter              |
| Weight               | 150                             | lbs                 | 68                             | kg                 |
| Size (WxD)           | 22x22                           | inches              | 550x550                        | mm                 |
| System Height        | 48                              | inches              | 1,227                          | mm                 |



| FP 150 AUTO FILTER DATA                                    |           |                                          |
|------------------------------------------------------------|-----------|------------------------------------------|
| Filter Cartridge                                           | Included  | 43.1 ft <sup>2</sup> or 4 m <sup>2</sup> |
| HEPA (H13)                                                 | Included  | 32.3 ft <sup>2</sup> or 3 m <sup>2</sup> |
| Activated Carbon                                           | Optional* | 11 lbs or 10 liters                      |
| *System height with carbon module is 62 inches or 1,570 mm |           |                                          |

**Shown with  
Optional Carbon**

## ORDERING DATA

## ACCESSORIES



CONNECTION KITS



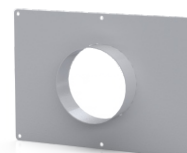
SPARK ARRESTORS



HARTING CONNECTIONS



COMMUNICATION CABLE



EXHAUST PLATE



Figure 1: New filter cartridge



Figure 2: Filter cartridge in use

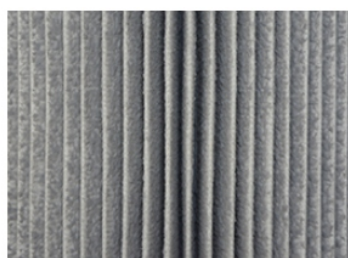


Figure 3: Filter cartridge after cleaning with compressed air

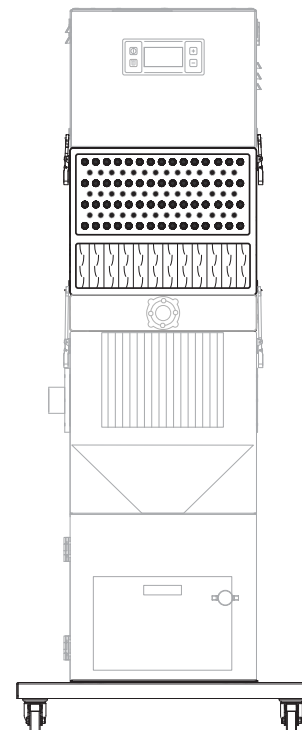
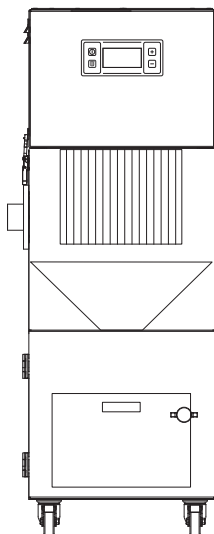
| SYSTEM OPTIONS                        | Part # |
|---------------------------------------|--------|
| <i>FP 150 AUTO Model (100-240V)</i>   | 90097  |
| <i>HEPA Particle Filter Module</i>    | 14734  |
| <i>Activated Carbon Filter Module</i> | 11610  |
| <i>Dual Modules - HEPA + Carbon</i>   | 15378  |
| <i>Automatic Dedusting</i>            | 16355  |
| <i>Left Intake for FP 150 - 50mm</i>  | 13159  |
| <i>Left Intake for FP 150 - 63mm</i>  | 13161  |
| <i>Left Intake for FP 150 - 80mm</i>  | 13163  |
| <i>Right Intake for FP 150 - 50mm</i> | 13160  |
| <i>Right Intake for FP 150 - 63mm</i> | 13162  |
| <i>Right Intake for FP 150 - 80mm</i> | 13164  |

| REPLACEMENT FILTERS                                      | Part # |
|----------------------------------------------------------|--------|
| <i>Filter Cartridge - Antistatic Filter Surface Area</i> | 13403  |
| <i>HEPA (H13) Particle Filter</i>                        | 10013  |
| <i>Activated Carbon</i>                                  | 13021  |

| OPTIONAL ADD-ONS                       | Part # |
|----------------------------------------|--------|
| <i>Precotech 300</i>                   | 90488  |
| <i>Precofix 200 Powder - 60 liters</i> | 14274  |
| <i>FP 150 Configuration</i>            | 21090  |

## FP 150 SYSTEM

| TECHNICAL DATA       |                                 |                     |                                |                    |
|----------------------|---------------------------------|---------------------|--------------------------------|--------------------|
| Free Airflow         | 165                             | CFM                 | 280                            | m <sup>3</sup> /hr |
| Effective Airflow    | 30-147                          | CFM                 | 50-250                         | m <sup>3</sup> /hr |
| Static Pressure      | 80.3                            | in/H <sub>2</sub> O | 20,000                         | PA                 |
| Voltage              | 100-240                         | V                   | NEMA 6-15                      | Plug               |
| Intake Socket        | Left or Right<br>~ 2, 2.5, or 3 | inches              | Left or Right<br>50, 63, or 80 | mm                 |
| Collection Container | 4                               | gallon              | 15                             | liter              |
| Weight               | 122                             | lbs                 | 55                             | kg                 |
| Size (WxD)           | 14x14                           | inches              | 350x350                        | mm                 |
| System Height        | 40                              | inches              | 1,000                          | mm                 |



| FP 150 FILTER DATA                                                                                                                                                                      |            |                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------|
| Filter Cartridge                                                                                                                                                                        | Included   | 21.5 ft <sup>2</sup> or 2 m <sup>2</sup> |
| HEPA (H13)                                                                                                                                                                              | Optional*  | 32.3 ft <sup>2</sup> or 3 m <sup>2</sup> |
| Activated Carbon                                                                                                                                                                        | Optional** | 11 lbs or 10 liters                      |
| *System height with HEPA module is 47 inches or 1,195 mm<br>**System height with carbon module is 46 inches or 1,170 mm<br>***System height with carbon module is 54 inches or 1,373 mm |            |                                          |

**Shown with Optional  
HEPA + Carbon**

## ORDERING DATA

## ACCESSORIES



CONNECTION KITS



SPARK ARRESTORS

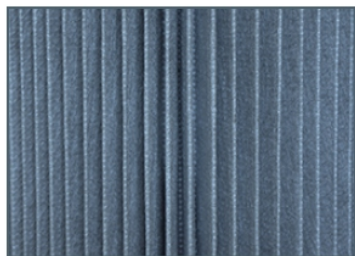


Figure 1: New filter cartridge



Figure 2: Filter cartridge in use



Figure 3: Filter cartridge after cleaning with compressed air



HARTING CONNECTIONS

| SYSTEM OPTIONS                         | Part # |
|----------------------------------------|--------|
| <i>FP 150 Model (100-240V)</i>         | 90070  |
| <i>HEPA Particle Filter Module</i>     | 14728  |
| <i>Activated Carbon Filter Module</i>  | 11610  |
| <i>Machine Base - Req. for Modules</i> | 16353  |
| <i>Left Intake for FP 150 - 50mm</i>   | 13159  |
| <i>Left Intake for FP 150 - 63mm</i>   | 13161  |
| <i>Left Intake for FP 150 - 80mm</i>   | 13163  |
| <i>Right Intake for FP 150 - 50mm</i>  | 13160  |
| <i>Right Intake for FP 150 - 63mm</i>  | 13162  |
| <i>Right Intake for FP 150 - 80mm</i>  | 13164  |

| REPLACEMENT FILTERS                                      | Part # |
|----------------------------------------------------------|--------|
| <i>Filter Cartridge - Antistatic Filter Surface Area</i> | 13016  |
| <i>HEPA (H13) Particle Filter</i>                        | 10013  |
| <i>Activated Carbon</i>                                  | 13021  |



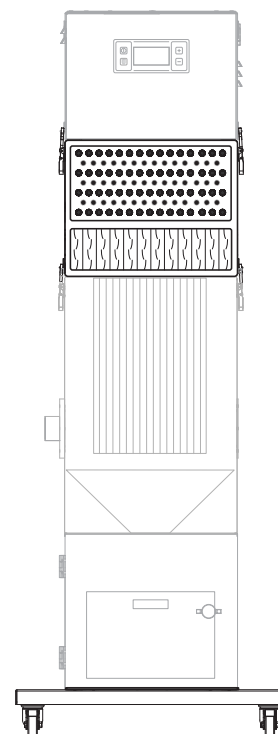
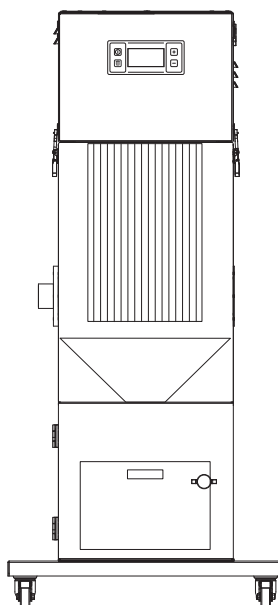
COMMUNICATION CABLE



EXHAUST PLATE

## FP 150 XL SYSTEM

| TECHNICAL DATA       |                                 |                     |                                |                    |
|----------------------|---------------------------------|---------------------|--------------------------------|--------------------|
| Free Airflow         | 165                             | CFM                 | 280                            | m <sup>3</sup> /hr |
| Effective Airflow    | 30-147                          | CFM                 | 50-250                         | m <sup>3</sup> /hr |
| Static Pressure      | 80.3                            | in/H <sub>2</sub> O | 20,000                         | PA                 |
| Voltage              | 100-240                         | V                   | NEMA 6-15                      | Plug               |
| Intake Socket        | Left or Right<br>~ 2, 2.5, or 3 | inches              | Left or Right<br>50, 63, or 80 | mm                 |
| Collection Container | 4                               | gallon              | 15                             | liter              |
| Weight               | 150                             | lbs                 | 68                             | kg                 |
| Size (WxD)           | 22x22                           | inches              | 550x550                        | mm                 |
| System Height        | 48                              | inches              | 1,227                          | mm                 |



| FP 150 AUTO FILTER DATA                                     |            |                                          |
|-------------------------------------------------------------|------------|------------------------------------------|
| Filter Cartridge                                            | Included   | 43.1 ft <sup>2</sup> or 4 m <sup>2</sup> |
| HEPA (H13)                                                  | Optional*  | 32.3 ft <sup>2</sup> or 3 m <sup>2</sup> |
| Activated Carbon                                            | Optional** | 11 lbs or 10 liters                      |
| *System height with HEPA module is 55 inches or 1,397 mm    |            |                                          |
| **System height with carbon module is 58 inches or 1,462mm  |            |                                          |
| ***System height with both modules is 62 inches or 1,570 mm |            |                                          |

**Shown with Optional  
HEPA + Carbon**

## ORDERING DATA

## ACCESSORIES



CONNECTION KITS



SPARK ARRESTORS

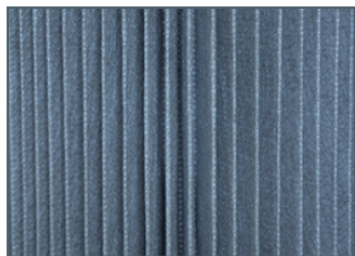


Figure 1: New filter cartridge



Figure 2: Filter cartridge in use



Figure 3: Filter cartridge after cleaning with compressed air



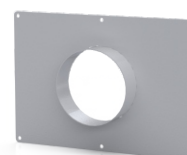
HARTING CONNECTIONS

| SYSTEM OPTIONS                        | Part # |
|---------------------------------------|--------|
| <i>FP 150 XL Model (100-240V)</i>     | 90097  |
| <i>HEPA Particle Filter Module</i>    | 14728  |
| <i>Activated Carbon Filter Module</i> | 11610  |
| <i>Left Intake for FP 150 - 50mm</i>  | 13159  |
| <i>Left Intake for FP 150 - 63mm</i>  | 13161  |
| <i>Left Intake for FP 150 - 80mm</i>  | 13163  |
| <i>Right Intake for FP 150 - 50mm</i> | 13160  |
| <i>Right Intake for FP 150 - 63mm</i> | 13162  |
| <i>Right Intake for FP 150 - 80mm</i> | 13164  |

| REPLACEMENT FILTERS                                      | Part # |
|----------------------------------------------------------|--------|
| <i>Filter Cartridge - Antistatic Filter Surface Area</i> | 13403  |
| <i>HEPA (H13) Particle Filter</i>                        | 10013  |
| <i>Activated Carbon</i>                                  | 13021  |



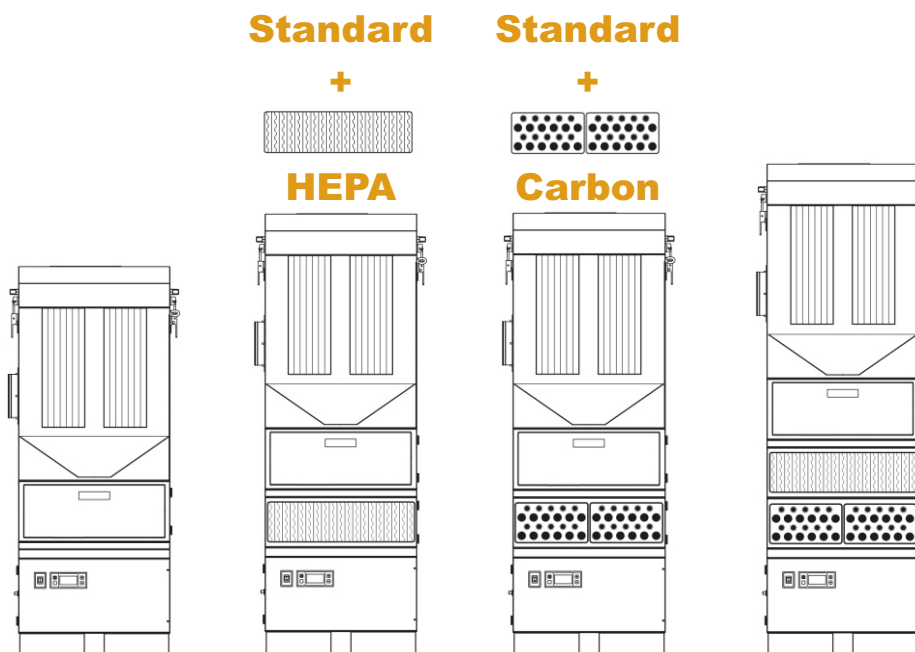
COMMUNICATION CABLE



EXHAUST PLATE

# FP 211 SYSTEM

| TECHNICAL DATA       |                               |                     |                               |         |
|----------------------|-------------------------------|---------------------|-------------------------------|---------|
| Free Airflow         | 1,177                         | CFM                 | 2,000                         | m³/hr   |
| Effective Airflow    | 176-883                       | CFM                 | 300-1500                      | m³/hr   |
| Static Pressure      | 22.1                          | in/H <sub>2</sub> O | 5,500                         | PA      |
| Voltage              | 380-480 (3P+ PE)              | V                   | HAN6ES, 6-pin                 | Harting |
| Intake Socket        | Up to 2 intakes<br>~ 6.5 or 8 | inches              | Up to 2 intakes<br>160 or 200 | mm      |
| Outlet Socket        | approx. 10                    | inches              | 250                           | mm      |
| Collection Container | 13                            | gallon              | 50                            | liter   |
| Dimensions (WxD)     | 28x31                         | inches              | 700x780                       | mm      |



| DATA                | UNITS    | STANDARD  | FP 211-P   | FP 211-A   | FP 211-PA  |
|---------------------|----------|-----------|------------|------------|------------|
| Weight              | lbs / kg | 530 / 240 | 605 / 275  | 660 / 300  | 715 / 325  |
| System Height       | in / mm  | 75 / 1900 | 85 / 2145  | 85 / 2145  | 94 / 2380  |
| Minimum Room Height | in / mm  | 97 / 2450 | 106 / 2700 | 106 / 2700 | 116 / 2950 |

## ORDERING DATA

## ACCESSORIES



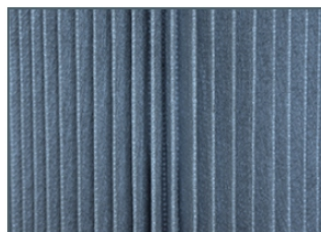
Figure 1: New filter cartridge



Figure 2: Filter cartridge in use



Figure 3: Filter cartridge after cleaning with compressed air



CONNECTION KITS



SPARK ARRESTORS



DUST BAGS



COMMUNICATION CABLE



AUTO PRE-COATING

| SYSTEM CHOICES                        | Part # |
|---------------------------------------|--------|
| <i>FP 211 Model (380-480V, 3P+PE)</i> | 90194  |
| <i>Upgrade to PTFE cartridges</i>     | 20185  |

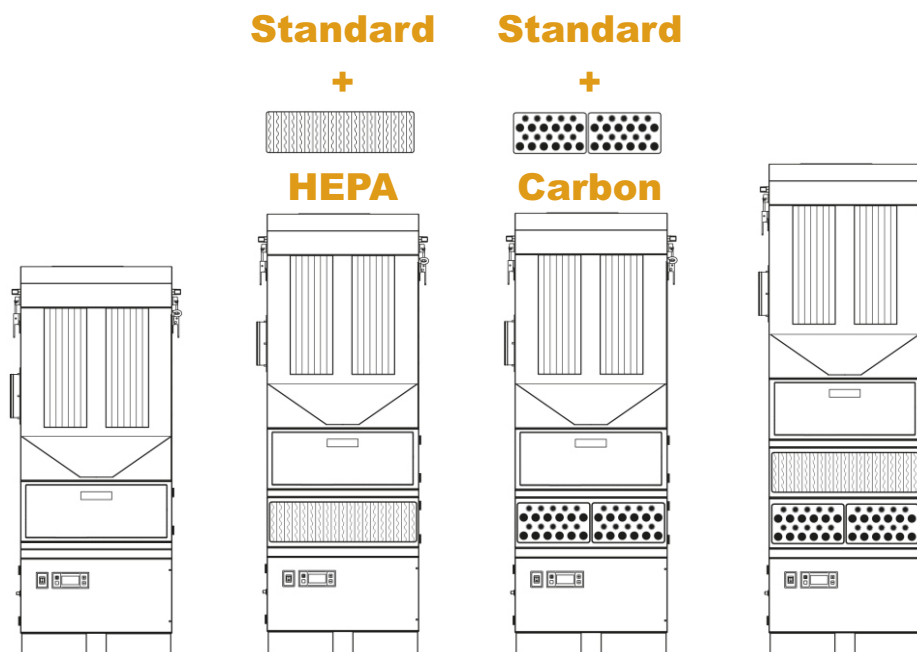
| FACTORY BUILD OPTIONS                  | Part # |
|----------------------------------------|--------|
| <i>HEPA Particle Filter Module</i>     | 14276  |
| <i>Activated Carbon Filter Module</i>  | 14274  |
| <i>Left Intake Socket</i>              | 13171  |
| <i>Rear Intake Socket</i>              | 13172  |
| <i>FP 211 Intake - 6.3 in or 160mm</i> | 16536  |
| <i>FP 211 Intake - 7.9 in or 200mm</i> | 16537  |

| OPTIONAL ADD-ONS                          | Part # |
|-------------------------------------------|--------|
| <i>Precotech 300</i>                      | 90488  |
| <i>Precofix 200 Powder - 60 liters</i>    | 14274  |
| <i>AC-Separator 165 lbs or 150 liters</i> | 90461  |
| <i>AC-Separator Carbon Replacement</i>    | 20225  |

| REPLACEMENT FILTERS                                                                | Part # |
|------------------------------------------------------------------------------------|--------|
| <i>Filter Cartridge Set of 6 - Antistatic 172.2 ft² or 16m² Total Surface Area</i> | 20171  |
| <i>PTFE Filter Cartridge Set of 6 - Antistatic 172.2 ft² or 16m²</i>               | 20183  |
| <i>HEPA (H14) Filter 150.7 ft² or 14m²</i>                                         | 15951  |
| <i>Activated Carbon 57 lbs or 52 Liters</i>                                        | 14517  |

## FP 213 SYSTEM

| TECHNICAL DATA       |                                      |                     |                                    |                    |
|----------------------|--------------------------------------|---------------------|------------------------------------|--------------------|
| Free Airflow         | 294                                  | CFM                 | 500                                | m <sup>3</sup> /hr |
| Effective Airflow    | 59-265                               | CFM                 | 100-450                            | m <sup>3</sup> /hr |
| Static Pressure      | 60.3                                 | in/H <sub>2</sub> O | 15,000                             | PA                 |
| Voltage              | 230 (1P+N+PE) or<br>380-480 (3P+ PE) | V                   | HAN6ES, 6-pin                      | Harting            |
| Intake Socket        | Up to 2 intakes<br>~ 3, 4, or 5      | inches              | Up to 2 intakes<br>80, 100, or 125 | mm                 |
| Outlet Socket        | approx. 10                           | inches              | 250                                | mm                 |
| Collection Container | 13                                   | gallon              | 50                                 | liter              |
| Dimensions (WxD)     | 28x31                                | inches              | 700x780                            | mm                 |



| DATA                | UNITS    | STANDARD  | FP 213-P   | FP 213-A   | FP 213-PA  |
|---------------------|----------|-----------|------------|------------|------------|
| Weight              | lbs / kg | 530 / 240 | 605 / 275  | 660 / 300  | 715 / 325  |
| System Height       | in / mm  | 75 / 1900 | 85 / 2145  | 85 / 2145  | 94 / 2380  |
| Minimum Room Height | in / mm  | 97 / 2450 | 106 / 2700 | 106 / 2700 | 116 / 2950 |

## ORDERING DATA

## ACCESSORIES



Figure 1: New filter cartridge



Figure 2: Filter cartridge in use



Figure 3: Filter cartridge after cleaning with compressed air



CONNECTION KITS



SPARK ARRESTORS



DUST BAGS



COMMUNICATION CABLE



AUTO PRE-COATING

| SYSTEM CHOICES                        | Part # |
|---------------------------------------|--------|
| <i>FP 213 Model (230V, 1P+N+PE)</i>   | 90208  |
| <i>FP 213 Model (380-480V, 3P+PE)</i> | 90495  |
| <i>Upgrade to PTFE cartridges</i>     | 20185  |

| OPTIONAL ADD-ONS                          | Part # |
|-------------------------------------------|--------|
| <i>Precotech 300</i>                      | 90488  |
| <i>Precofix 200 Powder - 60 liters</i>    | 14274  |
| <i>AC-Separator 165 lbs or 150 liters</i> | 90461  |
| <i>AC-Separator Carbon Replacement</i>    | 20225  |

| FACTORY BUILD OPTIONS                  | Part # |
|----------------------------------------|--------|
| <i>HEPA Particle Filter Module</i>     | 14276  |
| <i>Activated Carbon Filter Module</i>  | 14274  |
| <i>Left Intake Socket</i>              | 13171  |
| <i>Rear Intake Socket</i>              | 13172  |
| <i>FP 213 Intake - 3.1 in or 80mm</i>  | 16533  |
| <i>FP 213 Intake - 3.9 in or 100mm</i> | 16534  |
| <i>FP 213 Intake - 4.9 in or 125mm</i> | 16535  |

| REPLACEMENT FILTERS                                                                    | Part # |
|----------------------------------------------------------------------------------------|--------|
| <i>Filter Cartridge Set of 6 - Antistatic<br/>172.2 ft² or 16m² Total Surface Area</i> | 20171  |
| <i>PTFE Filter Cartridge Set of 6 -<br/>Antistatic 172.2 ft² or 16m²</i>               | 20183  |
| <i>HEPA (H14) Filter 150.7 ft² or 14m²</i>                                             | 15951  |
| <i>Activated Carbon 57 lbs or 52 Liters</i>                                            | 14517  |

## FPV 202 SYSTEM

| TECHNICAL DATA       |                       |        |                        |                    |
|----------------------|-----------------------|--------|------------------------|--------------------|
| Max Airflow          | 1,177                 | CFM    | 2,000                  | m <sup>3</sup> /hr |
| Voltage              | 380-480 (3P+ PE)      | V      | HAN6ES, 6-pin          | Harting            |
| Intake Socket        | Left or Rear<br>3 - 8 | inches | Left or Rear<br>80-200 | mm                 |
| Outlet Socket        | approx. 10            | inches | 250                    | mm                 |
| Collection Container | 13                    | gallon | 50                     | liter              |
| Weight               | 375                   | lbs    | 170                    | kg                 |
| Dimensions (HxWxD)   | 61x28x31              | inches | 1540x700x780           | mm                 |
| Room Height Req.     | 82                    | inches | 2060                   | mm                 |



| FACTORY BUILD OPTIONS                                                                                        | Part # |
|--------------------------------------------------------------------------------------------------------------|--------|
| <i>Left Intake Socket</i>                                                                                    | 13171  |
| <i>Rear Intake Socket</i>                                                                                    | 13172  |
| <i>FPV 202 Intake - 3.1 in or 80mm</i>                                                                       | 14481  |
| <i>FPV 202 Intake - 3.9 in or 100mm</i>                                                                      | 14482  |
| <i>FPV 202 Intake - 4.9 in or 125mm</i>                                                                      | 14484  |
| <i>FPV 202 Intake - 6.3 in or 160mm</i>                                                                      | 14483  |
| <i>FPV 202 Intake - 7.9 in or 200mm</i>                                                                      | 13714  |
| REPLACEMENT FILTERS                                                                                          | Part # |
| <i>Filter Cartridge Set of 6 - Antistatic<br/>172.2 ft<sup>2</sup> or 16m<sup>2</sup> Total Surface Area</i> | 20171  |
| <i>PTFE Filter Cartridge Set of 6 -<br/>Antistatic 172.2 ft<sup>2</sup> or 16m<sup>2</sup></i>               | 20183  |
| <i>HEPA (H14) Filter 150.7 ft<sup>2</sup> or 14m<sup>2</sup></i>                                             | 15951  |
| <i>Activated Carbon 57 lbs or 52 Liters</i>                                                                  | 14517  |

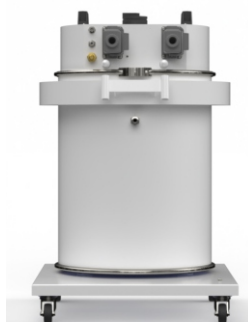
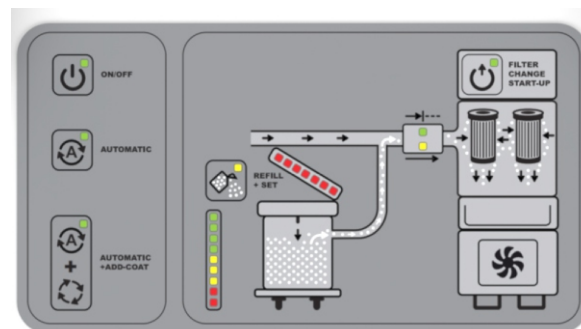


| SYSTEM CHOICES                                                                                                                      | Part # |
|-------------------------------------------------------------------------------------------------------------------------------------|--------|
| <i>FPV 202 Model (100-240V)</i>                                                                                                     | 90211  |
| <i>Upgrade to PTFE cartridges</i>                                                                                                   | 20185  |
| <i>FPV models are passive and require a TBH extraction system such as the LN 265, TFS 250, TFS 500, TFS 1000, LN 615, or LN 610</i> |        |

# PRECOTECH 300 SYSTEM

| TECHNICAL DATA              |                     |            |               |         |
|-----------------------------|---------------------|------------|---------------|---------|
| Max Airflow                 | 1,177               | CFM        | 2,000         | m³/hr   |
| Minimum Airflow             | 59                  | CFM        | 100           | m³/hr   |
| Voltage                     | 120-480 (2P+PE)     | V          | HAN6ES, 6-pin | Harting |
| Weight                      | 79                  | lbs        | 36            | kg      |
| Collection Container        | 8                   | gallon     | 30            | liter   |
| Dimensions (WxD)            | 32x20x24            | inches     | 800x500x600   | mm      |
| COMPRESSED AIR REQUIREMENTS |                     |            |               |         |
| Air Supply                  | 58-145              | PSI        | 4-10          | bar     |
| Internal Regulator          | 43.5                | PSI        | 3             | bar     |
| Residual Dust               | < 5 micron; <0.0022 | grains/ft³ | < 5 µm; < 5   | mg/m³   |
| Pressure Dew Point          | 35.6                | °F         | +2            | °C      |
| Residual Oil                | <0.00044            | grains/ft³ | < 1           | mg/m³   |

| SYSTEM DATA                                                               | Part #       |
|---------------------------------------------------------------------------|--------------|
| <i>Precotech 300 - Auto Pre-coat System</i>                               | <b>90488</b> |
| <i>Precofix 200 Powder - 60 liters</i>                                    | <b>14274</b> |
| <i>Power Cable 230V</i>                                                   | <b>20527</b> |
| <i>Power Cable 400V</i>                                                   | <b>21093</b> |
| <i>FP 150 Configuration*</i>                                              | <b>21090</b> |
| *Standard configuration is for FP 200, factory can reconfigure for FP 150 |              |



## Precotech Connection Kits

*All necessary lines and hoses are included for connecting the Precotech to the FP system, end-users must supply clean and dry compressed air.*



| FP 150 Connection Kit                                            | Part #       |
|------------------------------------------------------------------|--------------|
| <i>FP 150 to P300 Connection Kit<br/>3.1 inch or 80mm Intake</i> | <b>20458</b> |

| FP 211 Connection Kits                                            | Part #       |
|-------------------------------------------------------------------|--------------|
| <i>FP 211 to P300 Connection Kit<br/>6.3 inch or 160mm intake</i> | <b>20461</b> |
| <i>FP 211 to P300 Connection Kit<br/>7.9 inch or 200mm intake</i> | <b>20462</b> |

| FP 213 Connection Kits                                            | Part #       |
|-------------------------------------------------------------------|--------------|
| <i>FP 213 to P300 Connection Kit<br/>3.1 inch or 80mm intake</i>  | <b>20458</b> |
| <i>FP 213 to P300 Connection Kit<br/>3.9 inch or 100mm intake</i> | <b>20459</b> |
| <i>FP 213 to P300 Connection Kit<br/>4.9 inch or 125mm intake</i> | <b>20560</b> |



| FPV 202 Connection Kits                                            | Part #       |
|--------------------------------------------------------------------|--------------|
| <i>FPV 202 to P300 Connection Kit<br/>3.1 inch or 80mm intake</i>  | <b>20458</b> |
| <i>FPV 202 to P300 Connection Kit<br/>3.9 inch or 100mm intake</i> | <b>20459</b> |
| <i>FPV 202 to P300 Connection Kit<br/>4.9 inch or 125mm intake</i> | <b>20560</b> |
| <i>FPV 202 to P300 Connection Kit<br/>6.3 inch or 160mm intake</i> | <b>20461</b> |
| <i>FPV 202 to P300 Connection Kit<br/>7.9 inch or 200mm intake</i> | <b>20462</b> |