



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4182

(909) 396-2000 [www.aqmd.gov](http://www.aqmd.gov)

## CERTIFIED STREET SWEEPERS UNDER South Coast AQMD RULE 1186 (AS OF FEBRUARY 18, 2022)

South Coast AQMD Rule 1186 requires local governments within the South Coast Air Quality Management District (see Figure below) to procure certified street sweepers for new equipment purchases or new street sweeping contracts made after January 1, 2000 (there are no retrofit requirements under Rule 1186).

Various South Coast AQMD regulations also require procurement of certified street sweepers to implement specific rule requirements. This list of equipment is updated periodically based on certifications test results and in response to new information.

The South Coast AQMD Governing Board adopted Rule 1186 street sweeper testing and certification procedures in September of 1999. Enclosed is a list of equipment that has met the Rule 1186 certification standards. (The equipment may either be new or upgraded to meet certification specifications). Questions on equipment capabilities and options should be directed to your local distributor and/or the manufacturer. Questions regarding the Rule requirements can be directed to Area Sources, at (909) 396-2390, or [areasources@aqmd.gov](mailto:areasources@aqmd.gov).



*Cleaning the air that we breathe...*

\* Additional sweepers may be certified based on future tests. You can call 1 (800) CUT-SMOG or visit [www.aqmd.gov](http://www.aqmd.gov) for the most recent list of Rule 1186 certified equipment.

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (South Coast AQMD)**

**RULE 1186 CERTIFIED\* STREET SWEEPERS AS OF FEBRUARY 18, 2022**

THE FOLLOWING IS A LIST OF STREET SWEEPING EQUIPMENT THAT HAS CURRENTLY BEEN CERTIFIED FOR South Coast AQMD RULE 1186. ALL CERTIFIED EQUIPMENT MUST BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. FUTURE TESTING MAY QUALIFY ADDITIONAL EQUIPMENT. CALL 1 (800) CUT-SMOG FOR THE CURRENT LIST



MAKE*	MODEL*	DUST CONTROL SYSTEM*
CHALLENGER MANUFACTURING	CHALLENGER	<ul style="list-style-type: none"> <li>• THREE (3) 0.03 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• FOUR (4) 0.03 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE CONVEYOR</li> <li>• WATER PUMP TO PROVIDE 25 POUNDS PER SQUARE INCH WATER PRESSURE DURING OPERATION; MAXIMUM OF 45 POUNDS PER SQUARE INCH</li> </ul>
CURBTENDER* (*formerly Wayne Sweepers)	CENTURION	<ul style="list-style-type: none"> <li>• SEVEN (7) 0.0925 INCH DIAMETER ORIFICE NOZZLES ON SPRAY BAR UNDERNEATH THE CAB</li> <li>• TWO (2) 0.0925 INCH DIAMETER ORIFICE NOZZLES PER GUTTER BROOM (GUTTER BROOMS CAN BE OPERATED WITHOUT WATER SPRAYS IF FULLY ENCLOSED SHROUD SYSTEM IS UTILIZED AND MAINTAINED PER THE MANUFACTURERS SPECIFICATIONS)</li> <li>• THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES ON SPRAY BAR ABOVE CONVEYOR</li> <li>• 300 GALLON WATER TANK</li> <li>• WATER PUMP TO PROVIDE MINIMUM OF SEVEN GALLONS PER MINUTE</li> <li>• SINGLE FAN VACUUM SYSTEM</li> <li>• GLAZED, POLYESTER FILTER SYSTEM (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> </ul>

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Note: The make and model of the sweeper must have the dust control system(s) specified above to be in compliance. (Standard or older models may not have all the systems). Please contact the manufacturer if you would like to ensure that your sweeper(s) are Rule 1186 compliant.

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
CURBTENDER* (*formerly Wayne Sweepers)	GLADIATOR	<ul style="list-style-type: none"> <li>• THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• SIX (6) 0.0925 INCH DIAMETER ORIFICE NOZZLES ACROSS FRONT BUMPER</li> <li>• FOUR (4) 0.0925 INCH DIAMETER ORIFICE NOZZLES AT THE REAR BROOM</li> <li>• WATER PUMP TO PROVIDE 60 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
CURBTENDER* (*formerly Wayne Sweepers)	WARRIOR	<ul style="list-style-type: none"> <li>• THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• SIX (6) 0.0925 INCH DIAMETER ORIFICE NOZZLES ACROSS FRONT BUMPER</li> <li>• WATER PUMP TO PROVIDE 60 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
ELGIN	AIR CUB (LX/DX) CROSSWIND FURY	<ul style="list-style-type: none"> <li>• DIAMOND GRID DUST SEPARATION SCREEN</li> <li>• LOUVERED CENTRIFUGAL DUST SEPARATOR</li> <li>• ONE (1) 0.06 INCH DIAMETER ORIFICE NOZZLE CENTRALLY LOCATED ABOVE FAN INLET IN THE HOPPER</li> <li>• TWO (2) 0.047 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SUCTION TUBE</li> <li>• FOUR (4) 0.051 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• PUMP TO PROVIDE 40 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
ELGIN	CROSSWIND J	<ul style="list-style-type: none"> <li>• DIAMOND GRID DUST SEPARATION SCREEN</li> <li>• S-TRAP CENTRIFUGAL SEPARATOR</li> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE HOPPER</li> <li>• THREE (3) 0.059 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE SUCTION TUBE</li> <li>• THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
ELGIN	REGENX RM	<ul style="list-style-type: none"> <li>• DIAMOND GRID DUST SEPARATION SCREEN</li> <li>• S-TRAP CENTRIFUGAL SEPARATOR</li> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE HOPPER</li> <li>• THREE (3) 0.059 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE SUCTION TUBE</li> <li>• THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
ELGIN	PELICAN P & S PELICAN SE (WET SUPPRESSION)	<ul style="list-style-type: none"> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE CONVEYOR</li> <li>• TWO (2) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH GUTTER BROOM</li> <li>• WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
ELGIN	PELICAN P (WATERLESS SUPPRESSION)	<ul style="list-style-type: none"> <li>• GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM</li> <li>• ONE OR TWO CENTRIFUGAL DUST EVACUATION FAN(S) TO PROVIDE SUBSTANTIALLY SIMILAR AIRFLOW WITHIN A NORMAL OPERATING RANGE</li> <li>• SYNTHETIC MULTI-POCKET FILTER WITH HYDRAULIC SHAKER FOR DUST REMOVAL</li> </ul>
ELGIN	PELICAN P (COMBINATION)	<ul style="list-style-type: none"> <li>• ALL OF THE FEATURES OF THE WET AND WATERLESS SUPPRESSION PELICAN P STREETSWEeper WITH THE EQUIPMENT OPERATED IN EITHER THE WET OR WATERLESS MODE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
ELGIN	EAGLE E EAGLE F EAGLE (CNG) BROOM BEAR ROAD WIZARD	<ul style="list-style-type: none"> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE CONVEYOR</li> <li>• THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH GUTTER BROOM</li> <li>• WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
ELGIN	EAGLE F (WATERLESS)	<ul style="list-style-type: none"> <li>• GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM</li> <li>• CENTRIFUGAL DUST EVACUATION FAN</li> <li>• SYNTHETIC MULTI-POCKET FILTER WITH HYDRAULIC SHAKER FOR DUST CONTROL</li> </ul>
ELGIN	EAGLE F (COMBINATION)	<ul style="list-style-type: none"> <li>• ALL OF THE FEATURES OF THE WET AND WATERLESS EAGLE F STREET SWEEPER WITH THE EQUIPMENT OPERATED IN EITHER THE WET OR WATERLESS MODE</li> </ul>
ELGIN	BROOM BEAR PLUG-IN HYBRID ELECTRIC	<ul style="list-style-type: none"> <li>• FOUR (4) 0.060 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE CONVEYOR</li> <li>• THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH GUTTER BROOM</li> <li>• ELECTIC DRIVEN WATER PUMP TO PROVIDE MINIMUM 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
ELGIN	GEOVAC	<ul style="list-style-type: none"> <li>• DIAMOND GRID DUST SEPARATION SCREEN</li> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED IN THE HOPPER</li> <li>• TWO (2) 0.059 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SUCTION TUBE</li> <li>• TWO (2) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES LOCATED AT THE EXTENSION BROOM</li> <li>• WATER PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
ELGIN	WHIRLWIND MV	<ul style="list-style-type: none"> <li>• DIAMOND GRID DUST SEPARATION SCREEN</li> <li>• FOUR (4) 0.06 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED IN THE HOPPER</li> <li>• TWO (2) 0.059 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SUCTION TUBE</li> <li>• TWO (2) 0.057 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• FOUR (4) 0.60 INCH DIAMETER ORIFICE NOZZLES LOCATED AT THE EXTENSION BROOM</li> <li>• PUMP TO PROVIDE 80 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
GLOBAL ENVIRONMENTAL PRODUCTS	M3 R3 R4 M4 M4 HSD M4E Zero Emissions	<ul style="list-style-type: none"> <li>• ENCLOSED ELEVATOR SYSTEM</li> <li>• STEEL OR MIXED POLYESTER MAIN PICK UP BROOM</li> <li>• ONE (1) 0.072 INCH DIAMETER ORIFICE NOZZLE PER EACH GUTTER BROOM</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES PER EACH SIDE OF THE MAIN PICK UP BROOM</li> <li>• THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES IN SPRAY BAR LOCATED BEHIND THE MAIN PICK UP BROOM</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN SPRAY BAR LOCATED UNDERNEATH THE CAB</li> <li>• WATER PUMP TO PROVIDE 40 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
JOHNSTON	310	<ul style="list-style-type: none"> <li>• FOUR (4) 0.072 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT SPRAY BAR</li> <li>• TWO (2) 0.072 INCH DIAMETER ORIFICE NOZZLES PER EACH GUTTER BROOM</li> <li>• ONE (1) 0.026 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE FAN SUCTION HOOD</li> <li>• WATER PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
JOHNSTON	3000 MX450 4000 4000 SDS MST 350	<ul style="list-style-type: none"> <li>• ENCLOSED ELEVATOR SYSTEM</li> <li>• STEEL OR MIXED POLYESTER MAIN PICK UP BROOM</li> <li>• ONE (1) 0.072 INCH DIAMETER ORIFICE NOZZLE PER EACH GUTTER BROOM</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES PER EACH SIDE OF THE MAIN PICK UP BROOM</li> <li>• THREE (3) 0.057 INCH DIAMETER ORIFICE NOZZLES IN SPRAY BAR LOCATED BEHIND THE MAIN PICK UP BROOM</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN SPRAY BAR LOCATED UNDERNEATH THE CAB</li> <li>• WATER PUMP TO PROVIDE 40 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
JOHNSTON	VT605 VT610 VT650 V501 V651 V801	<ul style="list-style-type: none"> <li>• TWO (2) 0.039 INCH DIAMETER ORIFICE NOZZLES PER GUTTER BROOM</li> <li>• THREE (3) 0.042 INCH DIAMETER ORIFICE NOZZLES PER SUCTION BROOM</li> <li>• THREE (3) 0.039 INCH DIAMETER ORIFICE NOZZLES PER SUCTION NOZZLE</li> <li>• MULTI-POSITION SUCTION NOZZLE TWO ARM FACILITY</li> <li>• ONE (1) 0.042 INCH DIAMETER ORIFICE NOZZLE FOR THE IMPELLER FAN</li> <li>• WATER PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
JOHNSTON	770 CYCLONE/ RT655	<ul style="list-style-type: none"> <li>• THREE (3) 0.067 INCH DIAMETER ORIFICE NOZZLES FOR GUTTER BROOMS</li> <li>• TWO (2) 0.07 INCH DIAMETER ORIFICE NOZZLES FOR CENTER CURTAIN</li> <li>• FOUR (4) 0.055 INCH DIAMETER ORIFICE NOZZLES FOR FRONT BUMPER</li> <li>• TWO (2) 0.067 INCH DIAMETER ORIFICE NOZZLES FOR FRONT CURB SPRAY</li> <li>• TWO (2) 0.07 INCH DIAMETER ORIFICE NOZZLES ON LEFT AND RIGHT SIDE OF PICK UP HEAD</li> <li>• THREE (3) 0.082 INCH DIAMETER ORIFICE NOZZLES FOR PICK UP HEAD FRONT SIDE</li> <li>• SEVEN (7) 0.079 INCH DIAMETER ORIFICE NOZZLES FOR PICK UP HEAD REAR SIDE</li> <li>• THREE (3) 0.079 INCH DIAMETER ORIFICE NOZZLES FOR WINDROW PATH</li> <li>• TWO (2) 0.045 INCH DIAMETER ORIFICE NOZZLES FOR PICK UP HEAD SUCTION</li> <li>• ONE (1) 0.079 INCH DIAMETER ORIFICE NOZZLE FOR BLOWER FAN OUTLET</li> <li>• PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
NESCON	X-BROOM	<ul style="list-style-type: none"> <li>• THREE (3) 0.079 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• FIVE (5) 0.079 INCH DIAMETER ORIFICE NOZZLES ACROSS FRONT BUMPER</li> <li>• FIVE (5) 0.050 INCH DIAMETER ORIFICE NOZZLES IN MAIN BROOM HOUSING</li> <li>• WATER PUMP TO PROVIDE 50 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
NITEHAWK	RAPTOR II REGENERATIVE AIR SWEEPER **  ** EQUIPPED WITH PM-10 OPTION PACKAGE	<ul style="list-style-type: none"> <li>• FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES ON SPRAY BAR</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN HOPPER</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES ON GUTTER BROOMS</li> <li>• WATER PUMP TO PROVIDE 70 PSI WATER PRESSURE</li> </ul> <p align="center"><u>PLEASE NOTE THAT THE PM-10 OPTION PACKAGE DUST CONTROL SYSTEM IS DIFFERENT THAN THE STANDARD MODEL</u></p>
SCHWARZE	EV-1	<ul style="list-style-type: none"> <li>• TWELVE (12) POLYESTER DRY FILTER CARTRIDGES (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> <li>• FILTRATION CLEANED THREE TIMES PER-MINUTE</li> <li>• FILTRATION SYSTEM ACTIVE AT ALL TIMES</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
SCHWARZE	EV-2	<ul style="list-style-type: none"> <li>• EIGHT (8) POLYESTER DRY FILTER CARTRIDGES (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> <li>• FILTRATION SYSTEM OPERATED AT ALL TIMES</li> <li>• EACH FILTER CLEANED THREE TIMES PER MINUTE</li> </ul>
SCHWARZE	DXR	<ul style="list-style-type: none"> <li>• POLYESTER DRY FILTER CARTRIDGES (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> <li>• FILTRATION SYSTEM ACTIVE AT ALL TIMES</li> <li>• FILTRATION CLEANED FOUR TIMES PER MINUTE AND A HALF</li> </ul>
SCHWARZE	A4000/ A4STORM	<ul style="list-style-type: none"> <li>• FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON THE SWEEPING HEAD</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES INSIDE HOPPER</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES INSIDE HOPPER ON SPRAY BAR</li> <li>• WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
SCHWARZE	M5000/M6000/ M6AVALANCHE	<ul style="list-style-type: none"> <li>• FIVE (5) 0.036 INCH DIAMETER ORIFICE NOZZLES ON MAIN BROOM</li> <li>• THREE (3) 0.036 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTERBROOM</li> <li>• WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (South Coast AQMD)**

**RULE 1186 CERTIFIED\* STREET SWEEPERS AS OF FEBRUARY 18, 2022**

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
SCHWARZE	A 7000/ A7 TORNADO A7 ZEPHYR A 8000/ A8 TWISTER A 9000/ A9 MONSOON	<ul style="list-style-type: none"> <li>• SAWTOOTH DUST SEPARATION SCREEN, SELF DUMPING DUST SEPARATOR, FAN CENTRIFUGE</li> <li>• FIVE (5) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON THE SWEEPING HEAD</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON HEAD INTAKE TUBE</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN RIGHT HAND GUTTER BROOM</li> <li>• FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES LOCATED ON HOPPER SPRAY BAR</li> <li>• WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN LEFT HAND GUTTER BROOM (REQUIRED IF BOTH GUTTER BROOMS ARE USED)</li> </ul>
SCHWARZE	S348-I/ SUPERVAC VORTEX S348-LE/ SUPERVAC GALE FORCE SUPERVAC SUPER UPDRAFT	<ul style="list-style-type: none"> <li>• FOUR (4) 0.036 INCH DIAMETER ORIFICE NOZZLES ON HOPPER SPRAY BAR</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES IN HOPPER</li> <li>• TWO (2) 0.036 INCH DIAMETER ORIFICE NOZZLES ON RIGHT HAND GUTTER BROOM</li> <li>• WATER PUMP TO PROVIDE 70 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
STEWART-AMOS	STARFIRE S-4, S-5, AND S-6	<ul style="list-style-type: none"> <li>• FOUR (4) 0.05 INCH DIAMETER ORIFICE NOZZLES CENTRALLY LOCATED BETWEEN THE MAIN BROOM AND THE ELEVATOR</li> <li>• FOUR (4) 0.05 INCH DIAMETER ORIFICE NOZZLES LOCATED BENEATH THE FRONT BUMPER OF THE CHASSIS</li> <li>• TWO (2) 0.05 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT OF EACH GUTTER BROOM</li> <li>• WATER PUMP TO PROVIDE 40 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
PYTHON	S2000	<ul style="list-style-type: none"> <li>• FOUR (4) 0.008 INCH DIAMETER ORIFICE NOZZLES MOUNTED ABOVE AND AHEAD OF A 36 INCH FILL DIAMETER REAR BROOM</li> <li>• WATER LINE WITH 0.02 INCH DIAMETER ORIFICE AND THREE (3) 0.06 DIAMETER OUTLETS ABOVE EACH 42 INCH DIAMETER GUTTER BROOM</li> <li>• PUMP TO PROVIDE 24 POUNDS PER SQUARE INCH WATER PRESSURE DURING OPERATION</li> </ul> <p><i><u>PLEASE NOTE THAT THE GUTTER AND REAR BROOM SIZES ARE DIFFERENT THAN THE STANDARD MODEL</u></i></p>
PYTHON	S3000	<ul style="list-style-type: none"> <li>• FOUR (4) 0.008 INCH DIAMETER ORIFICE NOZZLES MOUNTED ABOVE AND AHEAD OF REAR BROOM</li> <li>• WATER LINE WITH 0.02 INCH DIAMETER ORIFICE AND THREE (3) 0.06 DIAMETER OUTLETS ABOVE EACH GUTTER BROOM</li> <li>• PUMP TO PROVIDE 24 POUNDS PER SQUARE INCH WATER PRESSURE DURING OPERATION</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
TENNANT	SENTINEL	<ul style="list-style-type: none"> <li>• GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM</li> <li>• DUAL FAN VACUUM SYSTEM (OPERATED AT ALL TIMES)</li> <li>• SYNTHETIC-SINGED POLYESTER FILTER (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> </ul>
TENNANT	830 / 831 II	<ul style="list-style-type: none"> <li>• GUTTER/MAIN BROOM FULLY ENCLOSED SHROUD SYSTEM</li> <li>• DUAL FAN VACUUM SYSTEM (OPERATED AT ALL TIMES)</li> <li>• SYNTHETIC-SINGED POLYESTER FILTER (MAINTAINED TO ENSURE PROPER INTEGRITY)</li> </ul>
TYMCO	210 300 350 435	<ul style="list-style-type: none"> <li>• CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION</li> <li>• CENTER DEBRIS DEFLECTOR ASSEMBLY PERPENDICULAR TO THE PICK UP HEAD</li> <li>• TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE FOR EACH GUTTER BROOM</li> <li>• ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER</li> <li>• ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE LOCATED IN BLOWER HOUSING</li> <li>• WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
TYMCO	600 600 BAH FHD 500X	<ul style="list-style-type: none"> <li>• CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION</li> <li>• CENTER DEBRIS DEFLECTOR ASSEMBLY PERPENDICULAR TO THE PICK UP HEAD</li> <li>• FRONT DEBRIS DEFLECTOR CURTAIN ASSEMBLY PARALLEL TO THE PICK UP HEAD</li> <li>• LOW EMISSION DUST GUARDS (ONLY APPLICABLE TO CABOVER TRUCKS)</li> <li>• THREE (3) 0.063 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• ONE (1) 0.093 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER</li> <li>• ONE (1) 0.093 INCH DIAMETER ORIFICE NOZZLE LOCATED IN BLOWER HOUSING</li> <li>• TWO (2) [MINIMUM] HOPPER BAFFLE CURTAINS</li> <li>• WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH</li> </ul>
TYMCO	DST -4	<ul style="list-style-type: none"> <li>• CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION</li> <li>• SELF CONTAINED MULTIPLE FILTRATION SYSTEM UTILIZING PTFE MEMBRANE FILTERS</li> <li>• TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH 32 INCH DIAMETER GUTTER BROOM</li> <li>• ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLES FOR EACH 32 INCH DIAMETER GUTTER BROOM</li> <li>• ONE (1) 0.063 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER</li> <li>• WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
TYMCO	DST - 6	<ul style="list-style-type: none"> <li>• CYCLONIC, MULTIPASS, CENTRIFUGAL SEPARATION</li> <li>• SELF CONTAINED MULTIPLE FILTRATION SYSTEM UTILIZING PTFE MEMBRANE FILTERS</li> <li>• THREE (3) 0.063 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• TWO (2) 0.043 INCH DIAMETER ORIFICE NOZZLES FOR EACH GUTTER BROOM</li> <li>• ONE (1) 0.094 INCH DIAMETER ORIFICE NOZZLE LOCATED IN THE HOPPER</li> <li>• TWO (2) [MINIMUM] HOPPER BAFFLE CURTAINS</li> <li>• WATER PUMP WITH A MINIMUM SYSTEM RELIEF VALVE SET AT 25 POUNDS PER SQUARE INCH</li> </ul>
VACALL	VS10/10D, VF10 VS13/13D, VF13 VS14/14D, VF14 VS16/16D, VF16 VS20/20D, VF20	<ul style="list-style-type: none"> <li>• FOUR (4) 0.062 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT OF EACH 36 INCH GUTTER BROOM</li> <li>• FOUR (4) 0.062 INCH DIAMETER ORIFICE NOZZLES LOCATED IN FRONT OF THE TRANSFER BROOM</li> <li>• TEN (10) 0.125 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE PICK UP HEAD</li> <li>• SIX (6) 0.181 INCH DIAMETER ORIFICE NOZZLES LOCATED INSIDE THE SCRUBBER COLLAR OF THE PICK UP HEAD</li> <li>• 48 INCH POWER VACUUM NOZZLE</li> <li>• MINIMUM 300 GALLON GRAVITY FEED WATER SUPPLY SYSTEM WITH WATER CONTINUOUSLY SUPPLIED TO ALL NOZZLES</li> <li>• LOW VELOCITY DUST COLLECTION AIR CHAMBER</li> <li>• MINIMUM OF SIX (6) EXPANDED METAL SCREENS</li> </ul>

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MAKE*	MODEL*	DUST CONTROL SYSTEM*
WAYNE SWEEPERS* (*acquired by Curbtender)	CENTURION	<ul style="list-style-type: none"> <li>• SEVEN (7) 0.0925 INCH DIAMETER ORIFICE NOZZLES ON SPRAY BAR UNDERNEATH THE CAB</li> <li>• TWO (2) 0.0925 INCH DIAMETER ORIFICE NOZZLES PER GUTTER BROOM</li> <li>• <i>(GUTTER BROOMS CAN BE OPERATED WITHOUT WATER SPRAYS IF FULLY ENCLOSED SHROUD SYSTEM IS UTILIZED AND MAINTAINED PER THE MANUFACTURERS SPECIFICATIONS)</i></li> <li>• THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES ON SPRAY BAR ABOVE CONVEYOR</li> <li>• 300 GALLON WATER TANK</li> <li>• WATER PUMP TO PROVIDE MINIMUM OF SEVEN GALLONS PER MINUTE</li> <li>• SINGLE FAN VACUUM SYSTEM</li> </ul>
WAYNE SWEEPERS (*acquired by Curbtender)	GLADIATOR	<ul style="list-style-type: none"> <li>• THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• SIX (6) 0.0925 INCH DIAMETER ORIFICE NOZZLES ACROSS FRONT BUMPER</li> <li>• FOUR (4) 0.0925 INCH DIAMETER ORIFICE NOZZLES AT THE REAR BROOM</li> <li>• WATER PUMP TO PROVIDE 60 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>
WAYNE SWEEPERS (*acquired by Curbtender)	WARRIOR	<ul style="list-style-type: none"> <li>• THREE (3) 0.0925 INCH DIAMETER ORIFICE NOZZLES LOCATED AT EACH SIDE BROOM</li> <li>• SIX (6) 0.0925 INCH DIAMETER ORIFICE NOZZLES ACROSS FRONT BUMPER</li> <li>• WATER PUMP TO PROVIDE 60 POUNDS PER SQUARE INCH WATER PRESSURE</li> </ul>

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#### ADDITIONAL NOTES:

\*\* For any entity wishing to operate a NiteHawk Raptor II compliant with Rule 1186, the sweeper must be ordered with PM-10 Option Package, which includes the following:

- Front Spray bar configured with **Four (4)** 0.036-inch Orifice Spray Nozzles
- **Two (2)** Sweeper Head Spray Nozzles **Removed** from the Dust Suppression System
- 24" Whisper Wheel Fan Turbine Installed in place of Standard Hi Flow Fan Turbine
- Low Profile Brooms installed (applicable to driver side and passenger side brooms)
  - o 60 holes, 17 bristles. Bristle Dimension: 20" Length, 0.034" Thick, 0.011" Width
- Blower Vacuum System
  - o System will be tuned to an airflow rating of 6,178 CFM
  - o System will be tuned to deliver 27 HP at fan

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