

# FLOW CONTROLS

## SPRAY CONTROL CONSOLE

For more than three decades, Raven spray controllers have set the standard for outstanding performance and everyday reliability and operation.

### STANDARD SCS CONSOLE FEATURES:

- Simple operation
- Low-limit function
- Digital boom pressure read-out
- Supports a variety of Flow Meters and Control Valves
- Audible alarms
- Self-test function
- Rate bump features



### SCS 4400

5-product capability (liquid, granular, NH3, direct injection) with 7 boom switches.



### SCS 450

One-product capability (liquid, NH3) with 6 boom switches.



### SCS 660M

One-product capability (liquid, granular, NH3, manure) with one master boom switch.

SPRAY CONSOLE	PRODUCT CAPABILITY	PRODUCT FORMS	DIRECT INJECTION	BOOM CONTROLS	BOOM SWITCHES	DATA LOGGING
SCS 4400	5 Products: 1 Hardwired, 4 via CANbus addition	Liquid, granular, NH3	Yes with Sidekick Pro	10 boom sections	Equipped with 7 switches	No
SCS 4600	5 Products: 1 Hardwired, 4 via CANbus addition	Liquid, granular, NH3	Yes with Sidekick Pro	10 boom sections	Remote switches required	No
SCS 5000	5 Products: CANbus equipped	Liquid, granular, NH3	Yes with Sidekick Pro	10 boom sections	Remote switches required & CAN nodes	No
SCS 440	1 Product	Liquid, NH3	Yes with Sidekick	3 boom sections	Equipped with 3 switches	No
SCS 450	1 Product	Liquid, NH3	Yes with Sidekick	6 boom sections	Equipped with 6 switches	No
SCS 460	1 Product	Liquid, NH3	Yes with Sidekick	7 boom sections	Remote switches required	No
SCS 660	1 Product	Liquid, granular, NH3	Yes with Sidekick	7 boom sections	Remote switches required	No
SCS 660M	1 Product	Liquid, granular, NH3, Manure	Yes with Sidekick	7 boom sections	Equipped with Master switch	No

## FLUID TRANSFER SYSTEMS, VALVES AND FLOW METERS

Raven offers a variety of competitively priced valves, flow meters, flow attachments and manual control systems specially engineered for compatibility with your existing equipment.

### FLOW MAX FLUID TRANSFER SYSTEMS

Raven's Flow Max fluid transfer systems make it easy to monitor product flow from the nurse truck to your sprayer.



#### FLOW MAX 220 TRANSFER SYSTEM

- Flanged 2" plumbing (M220)
- Weather-resistant enclosure
- Simple setup and operation
- Replaceable 3.6 volt long-life battery
- Records three separate total volumes
- Displays rate of flow in U.S. or metric
- Mounts "in-line" to monitor flow rate with maximum precision
- Self-contained digital display shows flow rate and totals
- 200 GPM maximum
- Self-contained – no other consoles, cables or flow meters needed

#### FLOW MAX 110 TRANSFER SYSTEM

- Economical single-product flow monitor
- Quick installation and setup
- Backlit display window
- Batch volume
- Rate of flow
- Total and sub-volume measured
- Requires a Raven flow meter of your choice



#### FLOW MAX 810 BATCH CONTROLLER

- Pre-cutoff setting to ensure accurate batch volume
- Quick and easy installation and programming
- Optional cable lengths to fit your requirements
- Start, stop and clear batch controls
- Programmable batch size
- Non-volatile memory
- Requires a Raven flow meter of your choice



# FLOW CONTROLS

## FLOW METERS

Raven RFM flow meters measure a wide range of liquids at flow rates from 0.1 GPM to 3000 GPM. For monitoring liquid, NH<sub>3</sub> and manure applications, the Magmeter Series is the best option.



### RFM 200 FLOW METER

One of our many high quality, durable flow meters. Features 15-200 GPM capacity.



### MAGMETER 200 (3-200 GPM)

Specially designed without turbines to accurately monitor a wide range of application flow rates.

## RFM FLOW METER AND MAGMETER PRODUCT GUIDE

FLOW METER	FLOW RATE	MATERIAL	FITTINGS
RFM 5	0.1-5 GPM	Stainless Steel	1/4" NPT
RFM 15	0.3-15 GPM	Poly	M200 Flanged/1-1/2" NPT
RFM 60S	1-60 GPM	Stainless Steel	1-1/2" NPT
RFM 60P	1-60 GPM	Poly	M200 Flanged/1-1/2" NPT
RFM 100	5-100 GPM	Poly	M220 Flanged/2" NPT
RFM 200	15-200 GPM	Cast Iron	3" NPT

FLOW METER	FLOW RATE	MATERIAL	FITTINGS
RFM 200P	15-200 GPM	Poly	M300 Flanged/3" NPT
MAGMETER 200	3-200 GPM	Poly	M220 Flanged
MAGMETER-3"	22-955 GPM	Stainless Steel/Teflon	ANSI B16.5
MAGMETER-4"	35-1493 GPM	Stainless Steel/Teflon	ANSI B16.5
MAGMETER-6"	70-3000 GPM	Stainless Steel/Teflon	ANSI B16.5

## VALVES

Raven valves are designed and manufactured for simple maintenance and serviceability.



### BUTTERFLY AND BALL VALVES

- Compatible with popular flange fittings
- Features internal female NPT pipe threads for non-flange fittings
- Excellent wear and chemical resistance
- Available in Poly and Stainless Steel

	1/4 IN.	3/4 IN.	1 IN.	1 1/4 IN.	1 1/2 IN.	2 IN.	3 IN.
BUTTERFLY		X	X		X	X	X
BALL	X	X	X	X			



### BOOM VALVES

- High flow boom valves
- 40 GPM @ 5 PSI pressure drop per valve
- 175 PSI pressure rating
- M200 Banjo flange inlet
- 3/4" female NPT outlets or M100 flanged
- 0.7 seconds on-time/off-time
- Plunger-style valve for complete shut-off
- Optional user configuration: 1-section to 10-section banks



### ON/OFF & CONTROL VALVES

- Advanced power head design
- NH3 On/off valves include on/off indicator
- Full line of stainless steel and poly on/off and control valves
- Simple maintenance and servicing



### HYDRAULIC CONTROL VALVES

- 3000 PSI pressure rating
- 60-115 Hz recommended pulse frequency
- Available in 5, 10, 15 and 30 GPM models
- PWM Control