

Dry Boom Nozzle Bodies & Accessories

Compact Nozzle Bodies

Compact Bodies have many uses, as in-line check valves on planting equipment, estate sprayers, dry boom nozzle bodies, or other situations that would require a compact check valve with a Combo-Jet cap outlet.

Outlet Adapter



Inlet	Part #
1/4"	40497-00
3/8"	40498-00

Adapts a threaded port to a Combo-Jet outlet

1/4" Push-in Tube Bodies



Inlet (O.D.)	0.7BAR C.V.	0.3BAR C.V.	No Module
1/4"	40502-00	40502-P4	40502-NM

Adapts a 1/4" O.D. tube inlet to a Combo-Jet outlet



Threaded Inlet Bodies

40501-P4



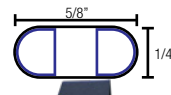
Thread	0.7BAR C.V.	0.3BAR C.V.	No Module
1/8" NPT-F	40500-00	40500-P4	40500-NM
1/4" NPT-F	40501-00	40501-P4	40501-NM

Adapts a female thread inlet to a Combo-Jet outlet



Mounting

A 5/8"x1/4" slotted profile is used to mount compact bodies with 1/4" bolts



[Rear view] #40501-00 w/ bracket

5/8" Square-Mount Dry Boom Swivel Nozzle Bodies with 3/8" NPT-F feed

Square-Mount nozzle bodies attach to a boom frame with 5/8" square mounts, and are fed by a 3/8" NPT-F inlet.

Add a 3/8" NPT hose shank adapter 40311-00



COMBO-JET Square-Mount Bodies



Outlets	Part #
Single CJ	40352-00
Dual CJ	40353-00
Triple CJ	40354-00



Square Lug Square-Mount Bodies

Square Lug Outlets (Teejet/Hydro/etc.) with dust shield

Outlets	Part #
Dual Sq. L	40152-00
Triple Sq. L	40153-00



3/8" NPT-M Hose Shank Adapters

40311-00



40312-00



40313-00



Fitting	One-Way	Two-Way	Three-Way
3/8"HB x 3/8" NPT-M	40301-00	40302-00	-
1/2"HB x 3/8" NPT-M	40306-00	40307-00	-
3/4"HB x 3/8" NPT-M	40311-00	40312-00	40313-00

Combo-Jet Outlet Swivel Turret Adapters

Turret Adapters intended for slow movement applications without risk of being struck



40471-00



40470-00



40473-00



40472-00

Swivel Outlets	Dual Turret	Triple Turret
Combo-Jet Outlet	40470-00	40471-00

Swivel Outlets	Dual Turret	Triple Turret
Square Lug Outlet	40472-00	40473-00

High Mount Dry Boom Nozzle Bodies with Hose Shank Feed

High Mount Flange

Flange Mount bodies mount right above the nozzle cap, with a round hole with notches cut to fix nozzle orientation



40461-00



3/8" HB

40464-00



Inlet(s)	One-Way	Two-Way
3/8" Hose Barb	40460-00	40461-00
1/2" Hose Barb	40462-00	40463-00
3/8" HB x 1/4" NPT-M	-	40464-00

Notch: 1/25" wide 0.275" thick 1" O.D. [Top View]

5/8" Square Mount Nozzle Bodies

5/8" Square Mount nozzle bodies attach to a clamp with a 5/8" square mount



40451-00



40450-00

Inlet(s)	One-Way	Two-Way
3/8" Hose Barb	40450-00	40451-00
1/2" Hose Barb	40452-00	40453-00
3/8" HB x 1/4" NPT-M	-	40454-00

Sq Mt w/o check

Square Mount Compact Bodies without check valves



40406-00

Inlet(s)	One-Way	Two-Way
1/2" HB	40406-00	40407-00

5/8" Square Mount Stainless Steel Clamps

Wilger manufactures a series of 5/8" square mount clamps that are used with compatible nozzle bodies. Refer to the CLAMPS pages to find the full listing of available stainless steel clamps



Dry Boom Nozzle Bodies & Accessories - cont'd

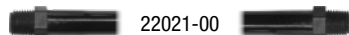
Rotating Adjustable Swivel Bodies & Hose Drop Assemblies

Hose Drop Adapters

Nylon hose drops are used to feed bodies to spray down below a canopy to minimize crop contact

Hose Drop Adapters

Inlet	Outlet	Length	Part #
1/4" NPT-M	1/4" NPT-M	16"	22021-00
		24"	22031-00
		36"	22037-00
		48"	22047-00
	1/4" NPT-F	16"	22025-00
		24"	22035-00



Hose Drop & Extension Caps

Outlet	Length	Part #
Combo-Jet to Combo-Jet	5cm	40210-00
	13cm	40211-00
Combo-Jet Cap to 1/4" NPT-M	40cm	22026-00
	61cm	22036-00
	91cm	22038-00
	122cm	22048-00



Adjustable Swivel Bodies [360° Lockable Rotation Front/Back]

Swivel Bodies can be rotated front to back 360° use for Crop Adapted Spraying or other targeting

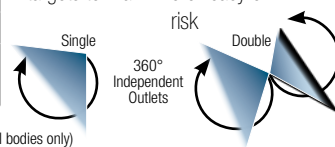


Inlet Size	Outlet(s)	Control Modules		
		Without Dia.	Dia. Check	Manual On/Off
1/4"	Single	40225-00	40231-00	40237-00
NPT-M	Double	40226-00	40232-00	40238-00
1/4"	Single	40227-00	40233-00	40239-00
NPT-F	Double	40228-00	40234-00	40240-00
1/4"NPT-M w/ 1/4"	Single	40229-00	40235-00	40241-00
NPT-F	Double	40230-00	40236-00	40242-00
3/8" HB w/ 5/8" Sq. Mount	Single	40243-00	40244-00	40245-00

40237-03Diaphragm Manual Shut-off Assembly, Replacement (for adjustable swivel bodies only)

Crop Adapted Spraying

Using adjusted nozzle angles, swath and direction to better adapt to specific crop targets to maximize efficacy or minimize risk



Low-Mount Compact Bodies - Contact Factory for availability. (Non-stocked item)

11/16" Thread Mount Low Mount Bodies

A low mounting compact body that attaches to a sprayer boom frame with an 11/16" threaded nut.



Inlet Size	One-Way [Left]	One-Way [Right]	Two-Way
3/8" HB	40360-00	40361-00	40362-00
1/2" HB	40365-00	40366-00	40367-00
3/4" HB	40370-00	40371-00	40372-00

40155-21 Module Retainer, Replacement
40199-00 Lock Nut, 11/16" Thread

5/8" Square Mount Low Mount Bodies

A low mounting compact body that attaches to a sprayer boom frame with an common 5/8" square mounting port.



Inlet Size	One-Way [Left]	One-Way [Right]	Two-Way	Three-Way
3/8" HB	40380-00	40381-00	40382-00	40383-00
1/2" HB	40385-00	40386-00	40387-00	40388-00
3/4" HB	40390-00	40391-00	40392-00	N/A

40155-21 Module Retainer, Replacement

COMBO-RATE Boomless Sprayer Manifold Assemblies

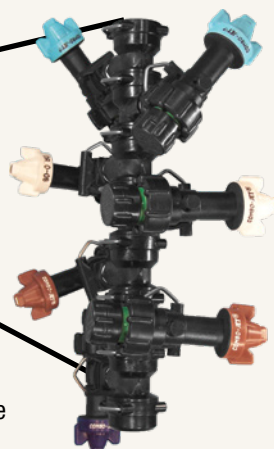
Boomless sprayers are used to spray areas not accessible by traditional boomed sprayers, such as ditches, roadways, pastures, and commercial/industrial areas.

COMBO-RATE boomless sprayers can be configured in hundreds of ways depending on mounting, size, and flow requirement.

Feed the manifold with an ORS inlet up to 1" hose barb

Easily adjust spray direction of each individual nozzle to optimize swath

70156-05
7-nozzle sprayer
18.5 Litres/minute



Alternate style boomless nozzle assembly using COMBO-RATE fittings

Adjustable swath distance charts online

Easy-to-follow charts are online to help you figure out how to get the swath distance for your application needs.



Find them at
WWW.WILGER.NET

Example Assembly	Flow Rate (L/min)	Part#
3-Nozzle Boomless Spraying Manifold	5L/ min	70154-01
	10L/ min	70154-03
	22L/ min	70154-06
5-Nozzle Boomless Spraying Manifold	8.7L/ min	70155-02
	11L/ min	70155-03
	22L/ min	70155-06
	43.5L/ min	70155-12
7-Nozzle Boomless Spraying Manifold	15L/ min	70156-04
	18.5L/ min	70156-05
	36L/ min	70156-10
	74L/ min	70156-20

Stainless Steel Clamps for Sprayer & Liquid Fertilizer Appl.

5/8" Square Mount Clamps

5/8" Square Mount clamps attach a nozzle body with 5/8" square mount to a tube or pipe

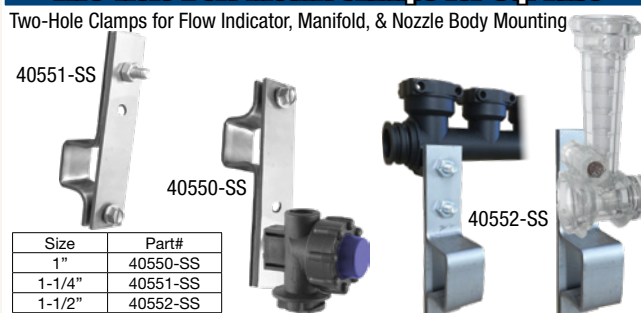


Mount Size	Standard 5/8" Square Mount Clamp (SS)		Adjustable High-Reach 5/8" Square Mount Clamp (SS)
	for Round Tube	for Square Tube	
1/2"	40320-SS	N/A	3/4" Tube Extra High Reach 40343-SS
3/4"	40321-SS	40325-SS	
1"	40322-SS	40326-SS	
1-1/4"	N/A	40327-SS	
1-1/2"	N/A	40328-SS	
2"	N/A	40330-SS	40342-SS

40341-04 Replacement Lock Clip, Plastic

Two-Hole Bolt-Mount Clamps for Sq. Tube

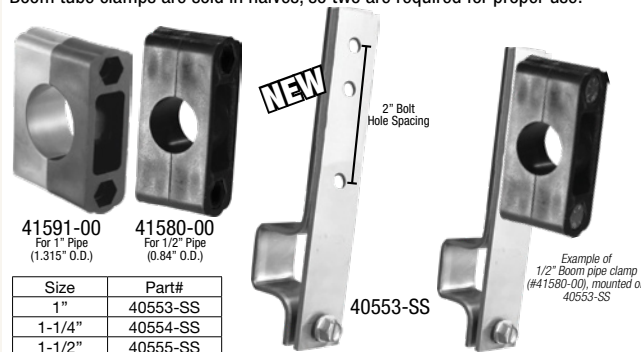
Two-Hole Clamps for Flow Indicator, Manifold, & Nozzle Body Mounting



Size	Part#
1"	40550-SS
1-1/4"	40551-SS
1-1/2"	40552-SS

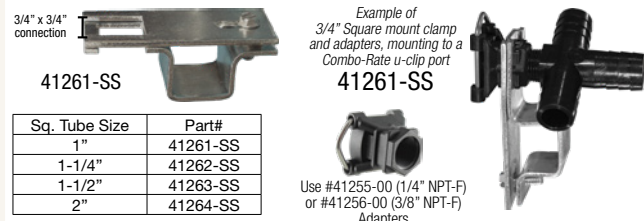
Three-Hole Bolt-Mount Clamps for Sq. Tube

Three-Hole Clamps for Sprayer Boom Tube, Nozzle Body & Utility Mounting
Boom tube clamps are sold in halves, so two are required for proper use.



Size	Part#
1"	40553-SS
1-1/4"	40554-SS
1-1/2"	40555-SS

3/4" Square Mount Clamps for Nozzle Bodies



Sq. Tube Size	Part#
1"	41261-SS
1-1/4"	41262-SS
1-1/2"	41263-SS
2"	41264-SS

Use #41255-00 (1/4" NPT-F)
or #41256-00 (3/8" NPT-F)
Adapters

Nozzle Body Accessories & Replacement Parts

Combo-Rate Control Modules & Nuts

Wilger manufactures a few styles of control modules that can be swapped between any Combo-Rate or Combo-Jet nozzle bodies



41133-03
Solenoid Gasket Seal
(replaces O-ring)
Page 37 for more info



41100-02
Body Nut for
Diaphragm Check Valves



41100-03



41100-01



41125-01



41133-01
Nut for PWM solenoids
(replacement)

		Module Assembly Part# (no diaphragm/o-ring incl.)		
Check Valve Type	Extra Information	0.7bar (Standard)	0.3bar (Blue Knob)	1.0bar (Red Knob)
Diaphragm	Drip check, use w/ body nut #41100-02 (separate)	41100-03	41100-12	41100-11
Manual ON/OFF	In 'Off' position, closes check valve (no flow) When air is applied, closes check valve (no flow)	41110-01	41110-07	41110-08
Air-OFF		41125-01	-	-

* Recommended to apply 1.4bar more than spray pressure for ideal operation & quick shut-off

Inter-body Strainers

Inter-body strainers are used in-between Combo-Rate nozzle bodies to catch burrs or debris during the break-in period of new sprayers, or to further protect PWM solenoids



50 mesh



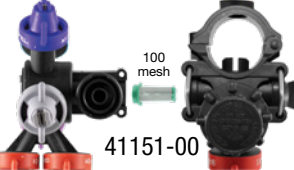
80 mesh

41150-00

Strainer Mesh	Part#
50 Mesh	41150-00
80 Mesh	41152-00
100 Mesh	41151-00



100 mesh



41151-00

Diaphragm Seals

Rubber Diaphragms are used in ALL control modules to seal the flow within the check valve



40155-23
(FKM)



All-in-One Diaphragm, used in parts made after 2019

The bottom of the control modules have a groove for a pressure pad o-ring or all-in-one diaphragm

Two-piece diaphragm & pressure pad o-ring

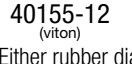
Diaphragm Pressure pad O-Ring



40155-07
(EDPM)



20455-04
(Buna-N)



40155-12
(viton)



20455-V4
(viton)

Either rubber diaphragm can be typically used, but ensure to replace diaphragm in proper orientation and remove pressure pad o-ring if 40155-23 diaphragm is used. For low pressure & flow, the two-piece may perform better.

O-ring Seals

O-ring seals are commonly used on many component parts. FKM material is standard, viton is available.

O-ring	Description/Where Used	FKM#	VITON #
13mm x 3mm	COMBO-JET spray tips	40260-00	40260-V0
#009	CR Top-turret faceplate	41802-04	40802-V4
#015	ORS Metering orifices	40225-04	40225-05
#106	9/16" Nozzle body inlet	51204-04	51204-V4
#108	Module pressure pads	20455-04	20455-V4
#110	3/8" Nozzle body inlet	20455-07	20455-V7
#115	21/32" Nozzle body inlet	41361-02	41361-V2
#116	1/2" QN100 connections	25120-02	25120-V2
#118	ORS Strainer cartridges	-	20576-V4
#119	EFM Sensor housing seal	20580-12	20580-13
#121	CR Turret core seals	41502-06	41502-V6
#203	5/16" Push-In Tube O-ring	20457-03	20457-V3
#206	CR Stacked body side seal	40200-02	40200-V2
#212	O-ring Seal (ORS) fittings	20460-03	20460-15
#214	Boom end flush valve core	-	25175-08
#219	QN100 O-ring seal	25160-02	25160-V2

Air Tees & Reducers

Tees and Reducers that can be used to couple tube for air or liquid supply



20455-00



20456-00

Fitting Type	Description	Part#
Tee	3/8" x 3/8" x 1/4" O.D.	20455-00
	5/16" x 5/16" x 1/4" O.D.	20457-00
Reducer	3/8" x 1/4" O.D.	20456-00

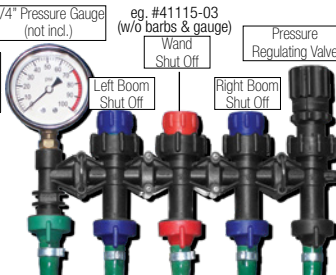
Estate Sprayer Manifolds, Accessories & Adapters

Estate Sprayer Manifold Assemblies

Wilger manifold assemblies are pre-built manifolds based on common requirements. COMBO-RATE components can be used to expand or change any manifold.

Outlets	Manifold Assy
2	41115-02
3	41115-03

Manifold Assemblies do not include pressure gauge, or COMBO-JET hose barb caps.)



eg. #41115-03 (w/o barbs & gauge)
Pressure Regulating Valve
Left Boom Shut Off
Right Boom Shut Off

COMBO-JET Hose Barb Caps not included. Available in sizes up to 1/2" Hose Barb See NOZZLES section of Catalog.

#41115-02 (caps & gauge not incl.) Example Sprayer Manifold



Manifolds can also be built with O-Ring Seal (ORS) Fittings

Combo-Clip (CC) Adapters & 3/4" Sq. Mount Clamps

Combo-Clip connections are compatible with all Combo-Rate Fittings and Nozzle Bodies

Connection	Outlet	Part #
Combo-Clip Male	Plug	41285-00
	1/4" NPT-F	41275-00
	3/8" NPT-F	41276-00
Combo-Clip Female	1/4" NPT-F	41251-00
	1/4" NPT-M	41252-00
	3/8" NPT-M	41253-00
	90° CC-M	41250-00
Combo-Clip Female w/ 3/4" Sq Mount	1/4" NPT-F	41255-00
	3/8" NPT-F	41256-00

Clamps for 3/4" Square-Mount Adapters

Square Tube Size	3/4" Sq. Mount Nozzle Body Clamps
1"	41261-SS
1-1/4"	41262-SS
1-1/2"	41263-SS
2"	41264-SS



41255-00



41275-00



41285-00



41252-00



41250-00



41256-00 w/ 3/4" Sq. Mount Clamp

Combo-Clip Adapters can be used to convert a traditional dry boom sprayer to use cutting edge COMBO-RATE turrets & fittings

Regulating & Manual On/Off Manifold Valves



41130-00



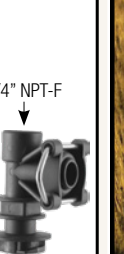
41131-00



41110-00



41111-00



41251-00

Pressure Regulating Valves
Open or close to regulate how much flow is bypassed back to tank to regulate pressure. Lock washer is used to hold position

When in 'ON' position, acts as a 0.7bar drip check, When in 'OFF' position, it turns off flow to the outlet

Ensure to visit the NOZZLES section of the catalog for the full listing of **COMBO-JET** Caps

Connection	Pressure Regulating Valve	Manual On/Off Check Valve	1/4" NPT-F for Pressure Gauge
Thru Body	41130-00	41110-00	-
End Body	41131-00	41111-00	-
Combo-Clip Male	-	-	41251-00
End Body	-	-	-
Combo-Clip Female	-	-	-