

HYPRO[®] EXPRESS BOOM ASSEMBLY

Modular, Pre-Assembled Boom Sections



EXPRESS Boom Assembly

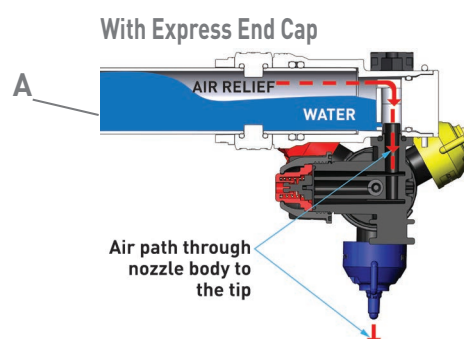
Modular Boom Sections

Features:

- Quick shutoff and easy cleanout with Express End Cap (See Express End Cap features below)
- 1" schedule 5 stainless steel pipe
- 15" or 20" nozzle spacing
- Equipped with express fittings
- 5-way ProFlo nozzle bodies w/ EPDM 8psi DCV
- UF Clamp & Gasket Included
- Performance tested to 150 psi rating

Benefits:

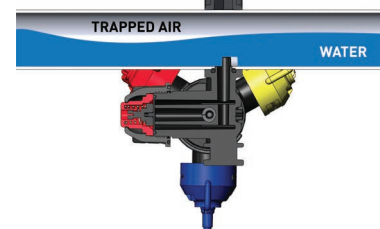
- Convert 20" nozzle spacing to 15" or 15" to 20"
- Easily convert your boom from polypropylene to stainless steel
- Greatly reduces assembly time
- Tested as a complete assembly to eliminate any potential assembly defects
- Single and bulk pack options that allow for standard shipping methods (i.e. FedEx®, UPS®, etc.)
- Improve sprayer performance with Express fittings and optimized design



Express End Cap Features:

- A** Eliminates trapped air from the boom by allowing air to escape through the nozzle body, reducing nozzle turn-off time by 85%
- B** Eliminates "dead-ends" of pipe where chemical residue can build-up
- C** Cleanout port for easy boom flushing
- D** Creates a cleaner looking plumbing system by eliminating the need for an extra fitting at the end of the boom

Without Express End Cap



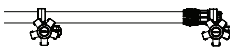
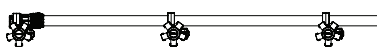
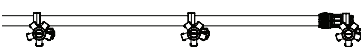
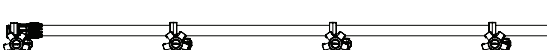
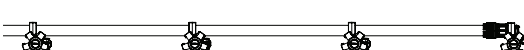
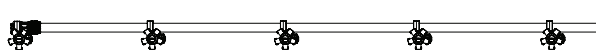
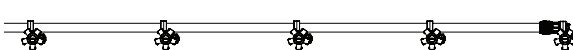
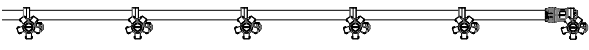
Express Boom Accessories



	Part Number	Size (UF X HB)	Fit Series	Description	Max. Operating Pressure	
					at 70°F	at 21°C
1	UF100L-HB100	1" x 1"	100	Elbow, Flange x HB	150 PSI	10 BAR
2	UF100-HB100	1" x 1"	100	Flange x HB	150 PSI	10 BAR
3	UF100-HBT100	1" x 1"	100	Flange	150 PSI	10 BAR
4	2910-0037*	1"	-	1" Boom clamp	-	-
5	7433-2502*†	1" x 1"	-	Express Fitting X 1" Universal Flange Straight	-	-
6	7433-2515*†	1" x 1"	-	2 Express Fitting X 1" Horizontal Universal Flange Tee	-	-
7	7433-2601*†	1" x 1"	-	Express Fitting X 1" Hose Barb Elbow Horizontal	-	-

* Sold in 25 pack. † add suffix :BG-" for single bags

Hypro's Express Boom Assembly allows you to **CUSTOMIZE** each boom section by choosing the quantity of nozzle bodies either left or right of the tee for each section. Express Boom Assembly has the **FLEXIBILITY** to meet any boom design. These single section **CUSTOM** configurations can range from one nozzle body on the left and/or right branch, to six (15" spacing's) nozzle bodies on each branch. Review the chart below for all configuration options.

Choose Left Branch		Tee	Choose Right Branch	
1				1
2				2
3				3
4				4
5				5
6*				6*

* Only available in 15" spacings.

Product Configurations

Configuration	15" Spacing Part Number	20" Spacing Part Number
1X1	2410-0047	2410-0021
1X2	2410-0048	2410-0022
1X3	2410-0049	2410-0023
1X4	2410-0050	2410-0024
1X5	2410-0051	2410-0025
1X6	2410-0052	-
2X1	2410-0053	2410-0026
2X2	2410-0054	2410-0027
2X3	2410-0055	2410-0028
2X4	2410-0056	2410-0029
2X5	2410-0057	2410-0030
2X6	2410-0058	-
3X1	2410-0059	2410-0031
3X2	2410-0060	2410-0032
3X3	2410-0061	2410-0033
3X4	2410-0062	2410-0034
3X5	2410-0063	2410-0035
3X6	2410-0064	-
4X1	2410-0065	2410-0036
4X2	2410-0066	2410-0037
4X3	2410-0067	2410-0038
4X4	2410-0068	2410-0039
4X5	2410-0069	2410-0040
4X6	2410-0070	-

Configuration	15" Spacing Part Number	20" Spacing Part Number
5X1	2410-0071	2410-0041
5X2	2410-0072	2410-0042
5X3	2410-0073	2410-0043
5X4	2410-0074	2410-0044
5X5	2410-0075	2410-0045
5X6	2410-0076	-
6X1	2410-0077	-
6X2	2410-0078	-
6X3	2410-0079	-
6X4	2410-0080	-
6X5	2410-0081	-
6X6	2410-0082	-
1XHB	2410-0086	2410-0086
2XHB	2410-0087	2410-0091
3XHB	2410-0088	2410-0092
4XHB	2410-0097	2410-0093
5HXB	2410-0098	2410-0094
HBX1	2410-0083	2410-0083
HBX2	2410-0084	2410-0089
HBX3	2410-0085	2410-0090
HBX4	2410-0099	2410-0095
HBX5	2410-0100	2410-0096

EXPRESS Boom Assembly

Boom Configuration Instructions:

STEP 1

Complete boom assembly configuration sheet (visit www.hypropumps.com/express for configuration worksheet).

Note sprayer model, number of sections, desired spacing's and boom length.

Walk boom from left breakaway to right* (Note all feeds, section controls, breakaways, etc.). If you run into configurations larger than 6 nozzles bodies with 15" spacing or 5 nozzles bodies with 20" spacing, break section into two to fit express boom system.

If you have any questions, please contact your local Hypro representative or Hypro technical team.

*When converting from 20" to 15" its suggested to start at center of boom and work left. Mark each 15" and note all feeds. Then begin Step 1.

STEP 2

Review 'Quote' tab on configuration worksheet. Re-evaluate boom configuration to insure proper assembly.

Look specifically at where the tee fitting will be plumbed to the feed line. If there are interference issues with the boom structure look at alternative horizontal fittings that allow feed lines to mate up to express boom (see accessories on page 2).

STEP 3

Print 'Quote' sheet and submit to your local Hypro sales representative or email to hypro.sales@pentair.com for pricing and availability.

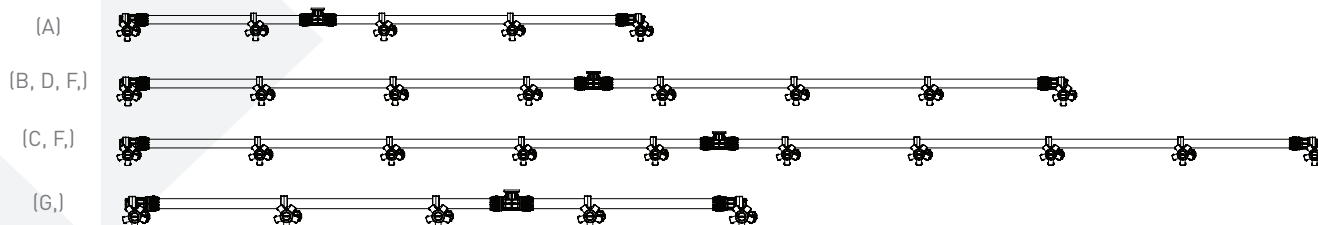
Hypro Quote Review:

Hypro will review boom assembly quote sheet submitted. If local dealer is not listed on sheet, Hypro will contact you for final ordering procedures.

For all additional information on the Hypro Express Boom Assembly, visit www.hypropumps.com/express, or visit our youtube channel for Express Boom videos.

Example configuration w/15" spacing:

Section	Section 1		Section 2	Section 3	Section 4	Section 5	
Sequence	A	B	C	D	E	F	G
Boom Pipe Part Number	2410-0055	2410-0068	2410-0075	2410-0068	2410-0075	2410-0068	2410-0060
Configuration	2X3	4X4	5X5	4X4	5X5	4X4	3X2



Download HYPRO's SprayIT Mobile App for Apple or Android mobile devices.



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FORM 486 (05/15)
Printed in USA