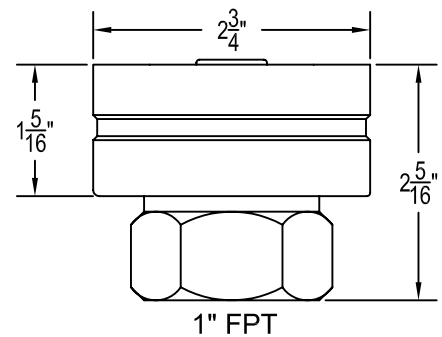
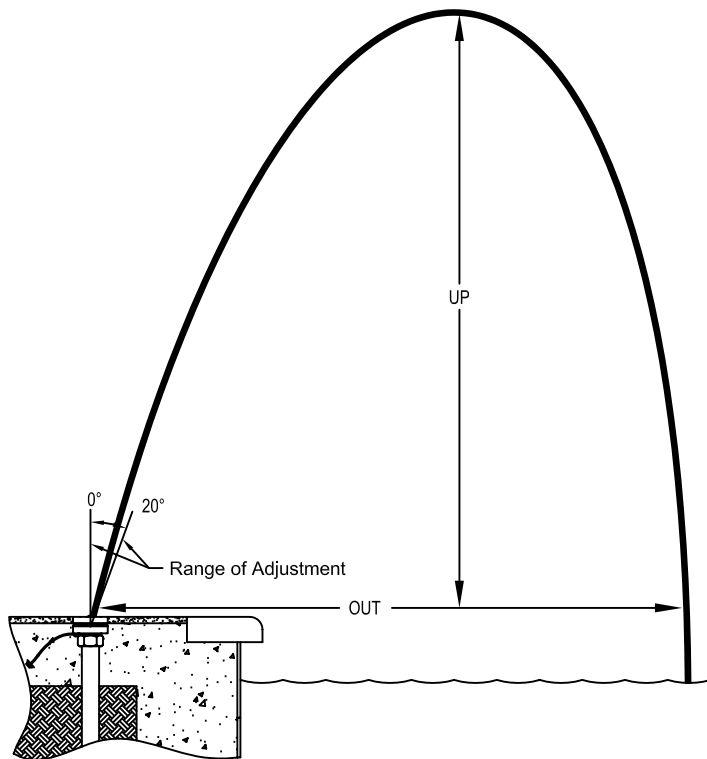


XFJ20 SERIES DECK JET (Natural)



XFJ20 Series Deck Jets are an adjustable floor jet constructed of bronze and brass. Using the same technologies we developed over the past 40 years, the XFJ20 is one of the many water features available in our XSTREAM series of fountain jets. The XSTREAM series has been tailored to meet the needs of today's pool builders and residential contractors.

XFJ20 Series jets can be installed in a singular fashion to create a focal point in your pool or in multiples to create more dramatic water feature effects. You can utilize your existing filter system with a by-pass valve to supply the jet(s) with filter return water, or dedicate a separate pump to the deck jets to allow for independent control from the filter system. Jets can be installed using a balanced manifold with a single regulating valve or with individual lines and valves allowing for each jet to be regulated independently. Manifolding and pipe sizing is explained in more detail on the Deck Jet installation sheet.

XFJ20 Series Jets are available in four discharge sizes 5/16", 3/8", 7/16" and 1/2". Jets are supplied in a natural bronze and brass finish giving a shiny appearance at the time of installation. Over time, the jets will turn to a dark brown patina and may have some green tones. XFJ20 jets can also be purchased with a chromed finish (XFJ20-P Series).

When installed in a level deck, the XFJ20 can be adjusted from vertical (0°) to an outward angle of 20°. Larger discharge jets and greater quantities, require more water. Water requirements can be calculated by using the flow charts on the backside of this sheet. Also refer to the Deck Jet Installation Sheet for step by step installation instructions.

	ITEM PART#	DISCRIPTION	QTY	
	① XFJ-B	Bronze body with 1" FPT	1	
	②A XFJ20-5	Brass ball jet 5/16" 20°	1	
	②B XFJ20-6	Brass ball jet 3/8" 20°		
	②C XFJ20-7	Brass ball jet 7/16" 20°		
	②D XFJ20-8	Brass ball jet 1/2" 20°		
	③ XFJ-R20	Bronze locking ring 20°	1	
	④ SS750H	10-24x3/4 FHCS 18-8SS	3	
	⑤ GL1	Copper Ground Lug	1	
	⑥ SS375	10-24x3/8 HHCS 18-8SS	1	
	⑦ XFJ-CAP	Block-Off Cover	1	
	⑧ PS750S	10x3/4 FHMS 18-8SS	1	
	⑨ PS250S	10x1/4 FHMS 18-8SS	3	
	⑩ 125AW	1/8 Allen Wrench	2	

XFJ20 SERIES PARTS LIST



5500 NW 22nd Ave.

Fort Lauderdale, FL 33309

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www.hallxstreams.com

Model Number
XFJ20-312
XFJ20-375
XFJ20-437
XFJ20-500

XFJ20 SERIES DECK JET FLOW CHARTS

XFJ20-312 (5/16" BORE)

		ANGLE IN DEGREES					
		0°	5°	10°	15°	20°	
SIZE OF JET	10'	6.4 12	6.4 12	6.5 12.5	6.6 13	6.7 14.5	GPM TDH DIS.
	9'	6 11	6 11	6.1 11.5	6.2 11.5	6.4 12.5	GPM TDH DIS.
	8'	5.7 10	5.7 10	5.7 10	5.9 10	6 11	GPM TDH DIS.
	7'	5.3 8.5	5.3 8.5	5.3 8.5	5.5 8.5	5.6 9.5	GPM TDH DIS.
HEIGHT UP IN FEET	6'	4.9 7.5	4.9 7.5	4.9 7.5	5 7.5	5.2 8.5	GPM TDH DIS.
	5'	4.5 6	4.4 6	4.5 6	4.6 6	4.7 7	GPM TDH DIS.
	4'	4 5	4 5	4 5	4.1 5	4.2 5.5	GPM TDH DIS.
	3'	3.4 3.5	3.3 3.5	3.4 3.5	3.5 3.5	3.6 3.5	GPM TDH DIS.
	2'	2.8 2.5	2.7 2.5	2.7 2.5	2.8 2.5	2.9 2.5	GPM TDH DIS.
	1'	2 1.5	1.9 1.5	1.9 1.5	2 1.5	2.1 1.5	GPM TDH DIS.

XFJ20-375 (3/8" BORE)

		ANGLE IN DEGREES					
		0°	5°	10°	15°	20°	
SIZE OF JET	10'	9.4 12	9.3 12	9.4 12.5	9.6 13	9.9 14.5	GPM TDH DIS.
	9'	8.9 11	8.8 11	8.9 11.5	9.2 11.5	9.4 12.5	GPM TDH DIS.
	8'	8.4 10	8.3 10	8.4 10	8.5 10	8.8 11	GPM TDH DIS.
	7'	7.8 8.5	7.7 8.5	7.8 8.5	7.9 8.5	8.1 9.5	GPM TDH DIS.
HEIGHT UP IN FEET	6'	7.2 7.5	7.2 7.5	7.3 7.5	7.3 7.5	7.5 8.5	GPM TDH DIS.
	5'	6.6 6	6.5 6	6.6 6	6.7 6	6.9 7	GPM TDH DIS.
	4'	5.9 5	5.8 5	5.9 5	6 5	6.2 5.5	GPM TDH DIS.
	3'	5.1 3.5	5 3.5	5 3.5	5.1 3.5	5.2 3.5	GPM TDH DIS.
	2'	4.1 2.5	4 2.5	4 2.5	4.1 2.5	4.2 2.5	GPM TDH DIS.
	1'	2.9 1.5	2.8 1.5	2.8 1.5	2.9 1.5	3 1.5	GPM TDH DIS.

XFJ20-437 (7/16" BORE)

		ANGLE IN DEGREES					
		0°	5°	10°	15°	20°	
SIZE OF JET	10'	12.6 12	12.6 12	12.7 12.5	12.9 13	13.2 14.5	GPM TDH DIS.
	9'	11.9 11	11.9 11	12 11.5	12.2 11.5	12.5 12.5	GPM TDH DIS.
	8'	11.3 10	11.3 10	11.4 10	11.6 10	11.9 11	GPM TDH DIS.
	7'	10.7 8.5	10.7 8.5	10.9 8.5	11.1 8.5	11.3 9.5	GPM TDH DIS.
HEIGHT UP IN FEET	6'	9.8 7.5	9.8 7.5	9.9 7.5	10.1 7.5	10.3 8.5	GPM TDH DIS.
	5'	9 6	9 6	9.1 6	9.2 6	9.5 7	GPM TDH DIS.
	4'	8 5	8 5	8.1 5	8.2 5	8.4 5.5	GPM TDH DIS.
	3'	7 3.5	7 3.5	7 3.5	7.1 3.5	7.2 3.5	GPM TDH DIS.
	2'	5.6 2.5	5.6 2.5	5.6 2.5	5.8 2.5	5.8 2.5	GPM TDH DIS.
	1'	4 1.5	4 1.5	4 1.5	4 1.5	4 1.5	GPM TDH DIS.

XFJ20-500 (1/2" BORE)

		ANGLE IN DEGREES					
		0°	5°	10°	15°	20°	
SIZE OF JET	10'	15.9 12	15.7 12	16 12.5	16.3 13	17 14.5	GPM TDH DIS.
	9'	15 11	14.9 11	15.1 11.5	15.4 11.5	16 12.5	GPM TDH DIS.
	8'	14.2 10	14.1 10	14.3 10	14.5 10	15 11	GPM TDH DIS.
	7'	13.5 8.5	13.2 8.5	13.4 8.5	13.6 8.5	14 9.5	GPM TDH DIS.
HEIGHT UP IN FEET	6'	12.5 7.5	12.2 7.5	12.5 7.5	12.7 7.5	13.1 8.5	GPM TDH DIS.
	5'	11.5 6	11.3 6	11.5 6	11.7 6	12 7	GPM TDH DIS.
	4'	10.5 5	10.2 5	10.3 5	10.4 5	10.6 5.5	GPM TDH DIS.
	3'	9.2 3.5	8.9 3.5	9.0 3.5	9.1 3.5	9.3 3.5	GPM TDH DIS.
	2'	7.4 2.5	7.1 2.5	7.3 2.5	7.5 2.5	7.7 2.5	GPM TDH DIS.
	1'	5.3 1.5	5.1 1.5	5.2 1.5	5.3 1.5	5.4 1.5	GPM TDH DIS.

GPM = GALLONS PER MINUET
TDH = HEAD IN FEET AT THE JET
DIS. = DISTANCE OUT IN INCHES

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TDH = HEAD IN FEET AT THE JET
DIS. = DISTANCE OUT IN INCHES

ALL HEAD PRESSURES ARE AT THE JET. SYSTEM LINE AND FITTING LOSSES MUST BE ADDED FOR PROPER OPERATION.

NOTE: Jets going 5' high or less in height meet the HRS standards set in some states of a maximum jet discharge voliscity of 20 feet per second when used in a play fountain or kiddie pool.



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