

NETAFIM USA



NETAFIM SPRINKLER TECHNICAL GUIDE

**SUPERNET, SUPERNET JR. AND NETJET SPRINKLERS
JANUARY 2016**

INTRODUCTION

The purpose of this guide is to provide in-depth technical information for the Netafim SuperNet, SuperNet Jr. and NetJet Sprinkler product lines. Included are performance charts, detailed data by flow rates and pressure curves.

PRODUCT LINE OVERVIEW

Netafim offers a complete line of sprinkler solutions for a wide range of crops. They have earned a reputation as the most reliable and durable sprinklers due to their exceptional distribution, uniformity and large, clog-resistant water passages. Their simple, modular design allows for easy accessory options making them adaptable to almost any application.

NETAFIM SUPERNET FLOW REGULATED MICRO-SPRINKLERS

Deliver the widest regulating range, highest distribution uniformity and the largest water passage (virtually clog-resistant). Available with a flow range of 5.3 to 23.8 GPH, with a wetted diameter of 2.3 to 23.0 feet. Operates with a pressure range of 25 to 50 psi. Ideal for orchards, vineyards and nurseries where flow regulation and insect resistance is required.

NETAFIM SUPERNET JR. HIGH PERFORMANCE MICRO-SPRINKLERS

A non-flow regulated micro-sprinkler, offering the highest distribution uniformity and maximum diameter of coverage. Available with a flow range of 8.2 to 23.8 GPH, with a wetted diameter of 16 to 18 feet. Operates with a pressure range of 25 to 50 psi. The perfect solution for orchards where non-regulated sprinklers are required.

NETAFIM NETJET HIGH PERFORMANCE SPRAY JETS

A low maintenance open spray jet that delivers superior performance at 5 psi lower operating pressures - maximizing efficiencies and yields, while reducing water usage and labor. Specially designed for orchards, vineyards and nurseries.

For more information about Netafim's complete sprinkler product line, visit our website www.netafimusa.com/agriculture. You may also contact our Customer Service Team at (888) 638-2346.

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SUPERNET SPRINKLERS

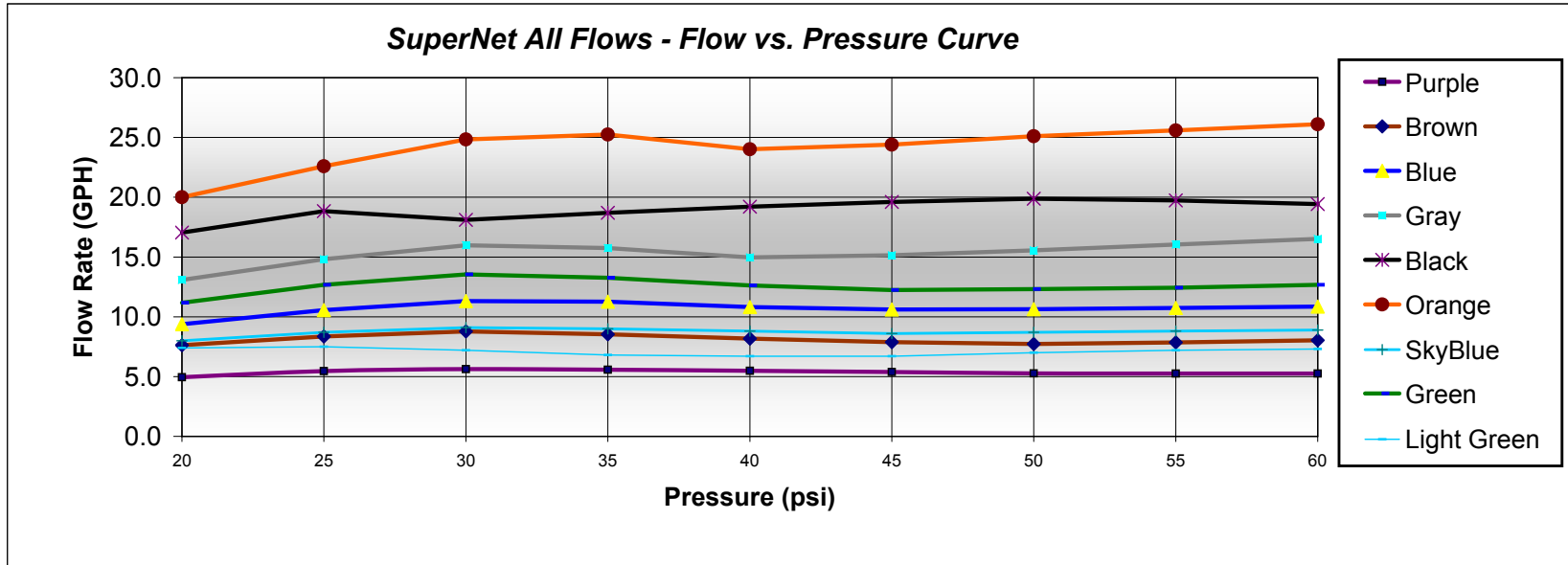
FLOW REGULATED MICRO-SPRINKLER



SUPERNET[®] MEAN FLOW RATES (GPH)

Pressure (psi)	Purple	Light Green	Brown	SkyBlue	Blue	Green	Gray	Black	Orange
20	5.0	7.4	7.6	8.0	9.4	11.2	13.1	17.1	20.0
25	5.5	7.5	8.4	8.7	10.6	12.7	14.8	18.8	22.6
30	5.6	7.2	8.8	9.1	11.3	13.5	16.0	18.1	24.8
35	5.6	6.8	8.5	9.0	11.3	13.3	15.8	18.7	25.3
40	5.5	6.7	8.2	8.8	10.8	12.6	15.0	19.2	24.0
45	5.4	6.7	7.9	8.6	10.6	12.2	15.2	19.6	24.4
50	5.3	7.0	7.7	8.7	10.6	12.3	15.6	19.9	25.1
55	5.3	7.2	7.9	8.8	10.7	12.4	16.1	19.7	25.6
60	5.3	7.3	8.0	8.9	10.9	12.7	16.5	19.4	26.1

SuperNet	Swivel Diameter of Throw (feet), @ 8" above Ground @ 25 psi			
	SRD	SR	LRD	LR
Purple	5.9'	8.2'	4.9'	14.8'
Light Green	5.9'	11.5'	4.9'	19.7'
Brown	5.9'	11.5'	4.9'	19.7'
SkyBlue	5.9'	11.5'	4.9'	19.7'
Blue	5.9'	11.5'	4.9'	19.7'
Green	5.9'	14.8'	4.9'	23.0'
Gray	5.9'	14.8'	4.9'	23.0'
Black	5.9'	16.4'	6.6'	23.0'
Orange	6.6'	16.4'	6.6'	23.0'



SuperNet® Purple - 0.035" orifice, Nominal 5.3 GPH

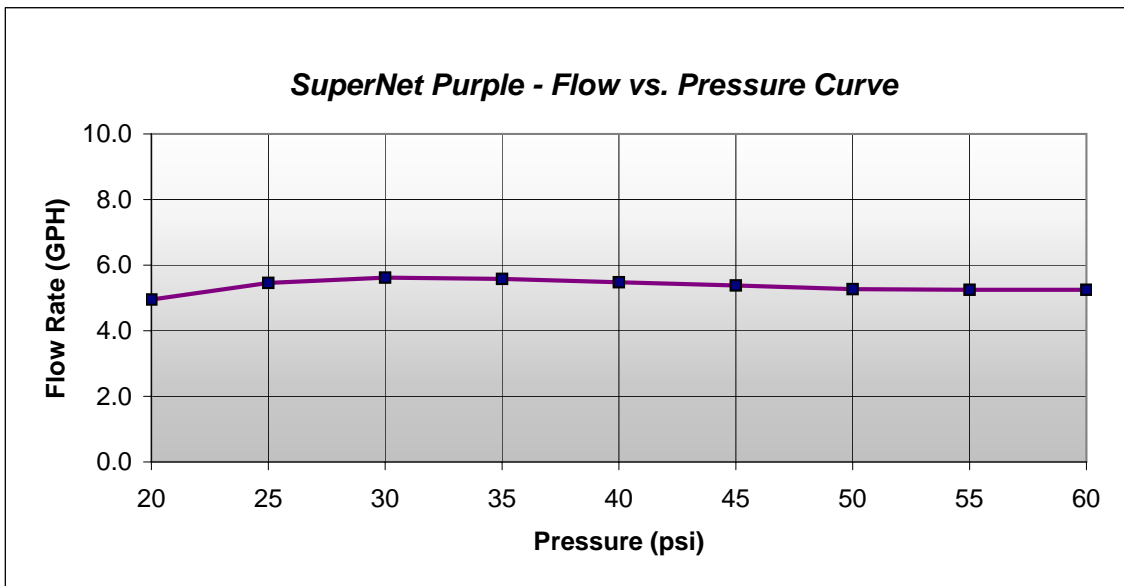
* Note: Minimum 140 mesh filtration required *

Miscellaneous Parts List	
Part Number	Description
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
031736	SuperNet Stake, 13" Blue
031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031733	Diaphragm
031734	O-Ring for Regulating chamber
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031722	(LR) Purple Swivel - Long Range
031724	(LRD) Purple Swivel - Long Range with Deflector

Mean Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from mean flow rates

	Pressure (psi)	Mean (GPH)	
	20	5.0	
Recommended Pressure: 25 - 50 psi	25	5.5	Recommended Pressure: 25 - 50 psi
	30	5.6	
	35	5.6	
	40	5.5	
	45	5.4	
	50	5.3	
	55	5.3	
	60	5.3	



SuperNet® Light Green - 0.045" orifice, Nominal 7.4 GPH

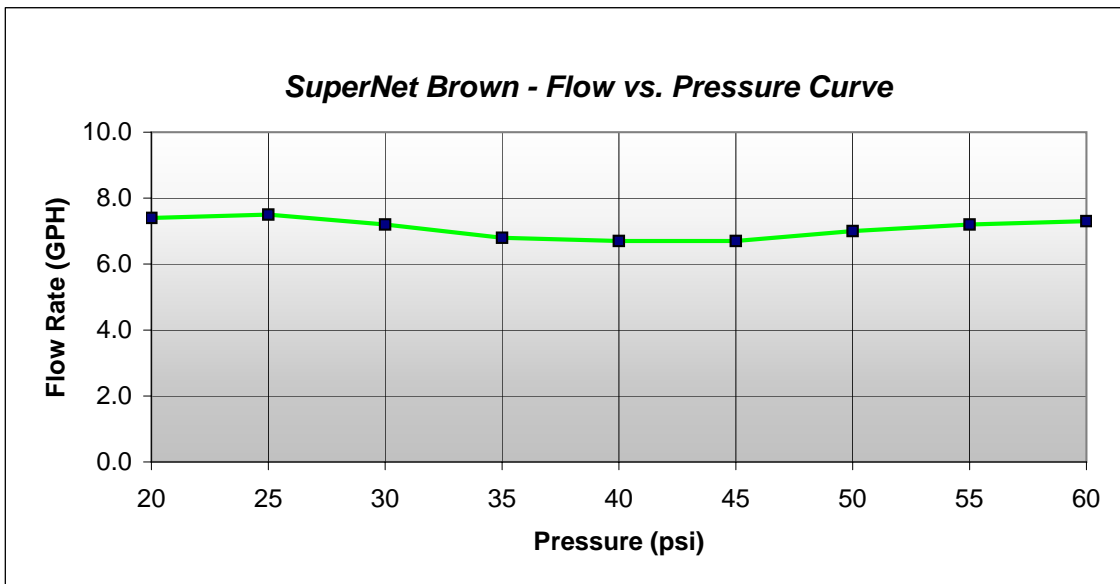
* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
Part Number	Description
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
031736	SuperNet Stake, 13" Blue
031748	Barb X barb connector
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031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031722	(LR) Purple Swivel - Long Range
031724	(LRD) Purple Swivel - Long Range with Deflector

Mean Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from mean flow rates

	Pressure (psi)	Mean (GPH)	
		20	
Recommended Pressure: 25 - 50 psi	25	7.5	Recommended Pressure: 25 - 50 psi
	30	7.2	
	35	6.8	
	40	6.7	
	45	6.7	
	50	7.0	
	55	7.2	
	60	7.3	



SuperNet® Brown - 0.045" orifice, Nominal 8.2 GPH

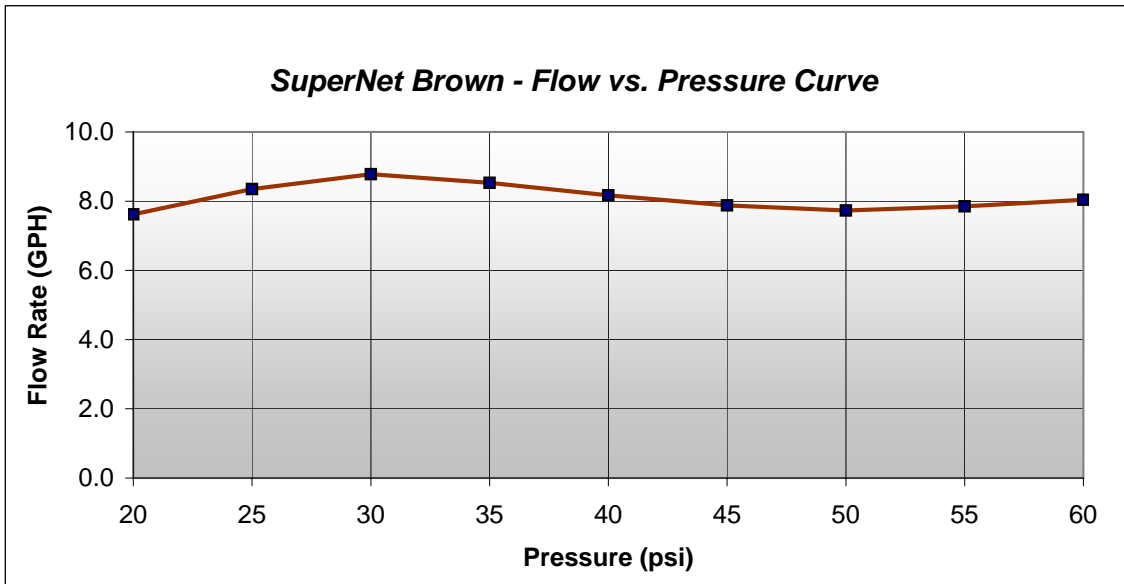
* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
031736	SuperNet Stake, 13" Blue
031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031733	Diaphragm
031734	O-Ring for Regulating chamber
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031722	(LR) Purple Swivel - Long Range
031724	(LRD) Purple Swivel - Long Range with Deflector

Mean Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from mean flow rates

	Pressure (psi)	Mean (GPH)	
		20	
Recommended Pressure: 25 - 50 psi	25	8.4	Recommended Pressure: 25 - 50 psi
	30	8.8	
	35	8.5	
	40	8.2	
	45	7.9	
	50	7.7	
	55	7.9	
	60	8.0	



SuperNet® SkyBlue - 0.047" orifice, Nominal 9.2 GPH

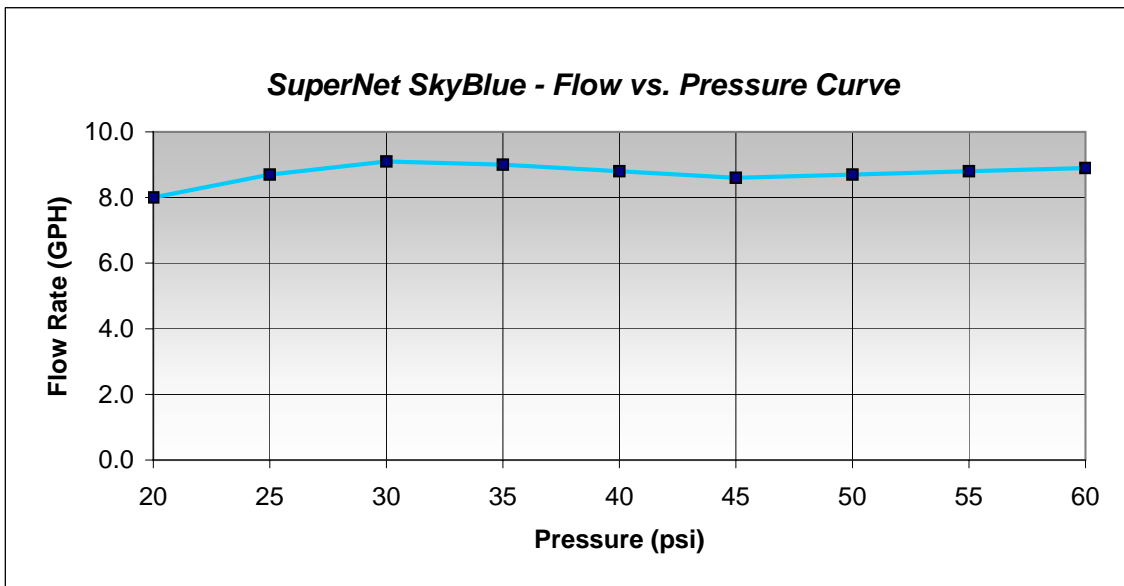
* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
031736	SuperNet Stake, 13" Blue
031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031733	Diaphragm
031734	O-Ring for Regulating chamber
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031722	(LR) Purple Swivel - Long Range
031724	(LRD) Purple Swivel - Long Range with Deflector

Mean Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from mean flow rates

	Pressure (psi)	Mean (GPH)	
	20	8.0	
Recommended Pressure: 25 - 50 psi	25	8.7	Recommended Pressure: 25 - 50 psi
	30	9.1	
	35	9.0	
	40	8.8	
	45	8.6	
	50	8.7	
	55	8.8	
	60	8.9	



SuperNet® Blue - 0.050" orifice, Nominal 10.6 GPH

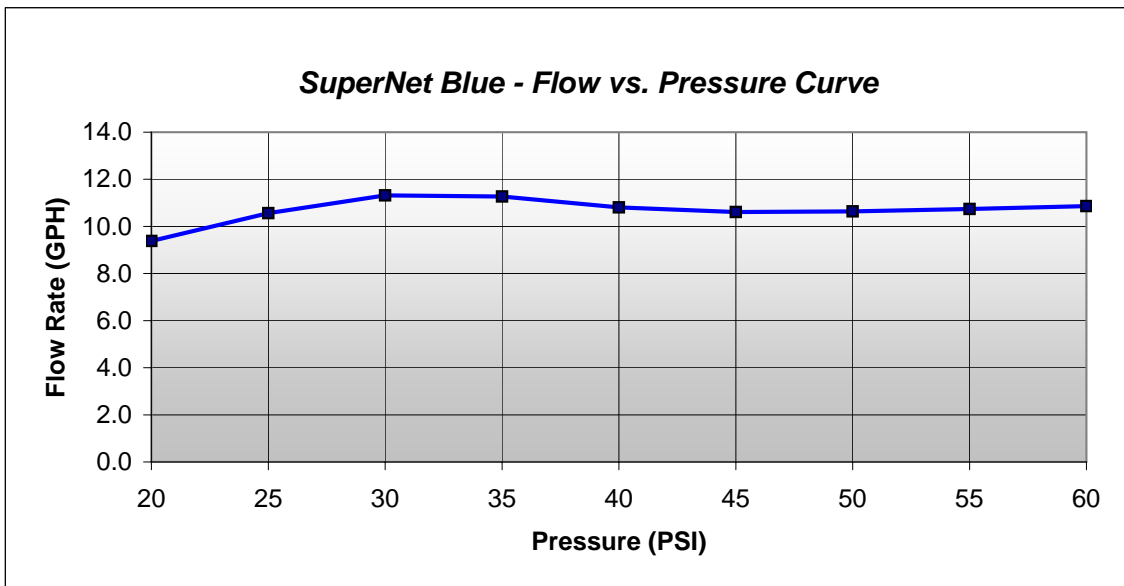
* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
031736	SuperNet Stake, 13" Blue
031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031733	Diaphragm
031734	O-Ring for Regulating chamber
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031722	(LR) Purple Swivel - Long Range
031724	(LRD) Purple Swivel - Long Range with Deflector

Mean Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from mean flow rates

	Pressure (psi)	Mean (GPH)	
	20	9.4	
Recommended Pressure: 25 - 50 psi	25	10.6	Recommended Pressure: 25 - 50 psi
	30	11.3	
	35	11.3	
	40	10.8	
	45	10.6	
	50	10.6	
	55	10.7	
	60	10.9	



SuperNet® Green - 0.056" orifice, Nominal 13.2 GPH

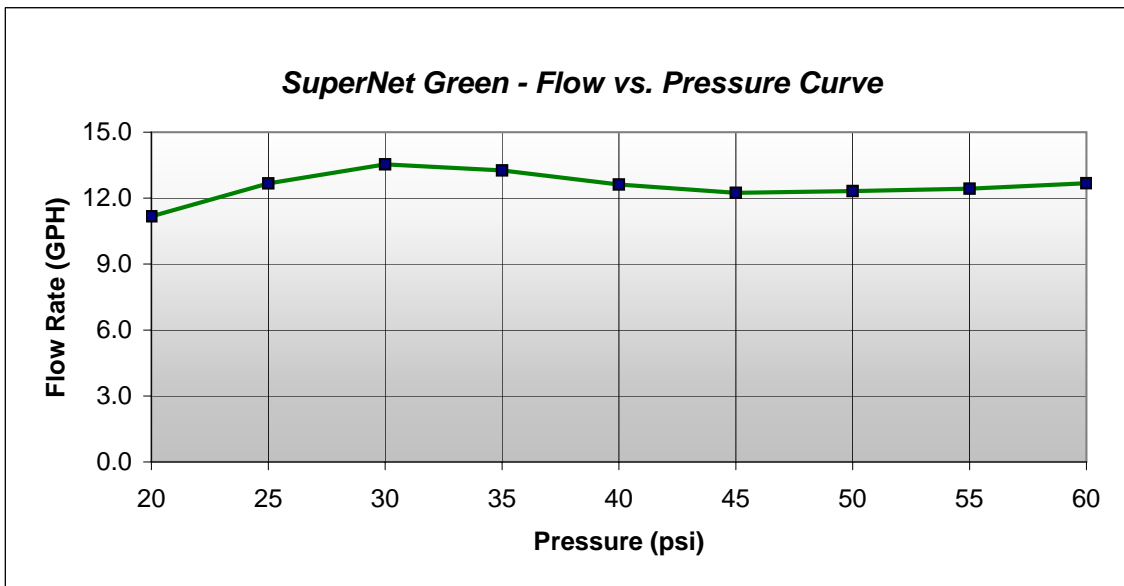
* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
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031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031733	Diaphragm
031734	O-Ring for Regulating chamber
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031721	(LR) Black Swivel - Long Range
031723	(LRD) Black Swivel - Long Range with Deflector

Mean Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from mean flow rates

	Pressure (psi)	Mean (GPH)	
	20	11.2	
Recommended Pressure: 25 - 50 psi	25	12.7	Recommended Pressure: 25 - 50 psi
	30	13.5	
	35	13.3	
	40	12.6	
	45	12.2	
	50	12.3	
	55	12.4	
	60	12.7	



SuperNet® Gray - 0.061" orifice, Nominal 15.3 GPH

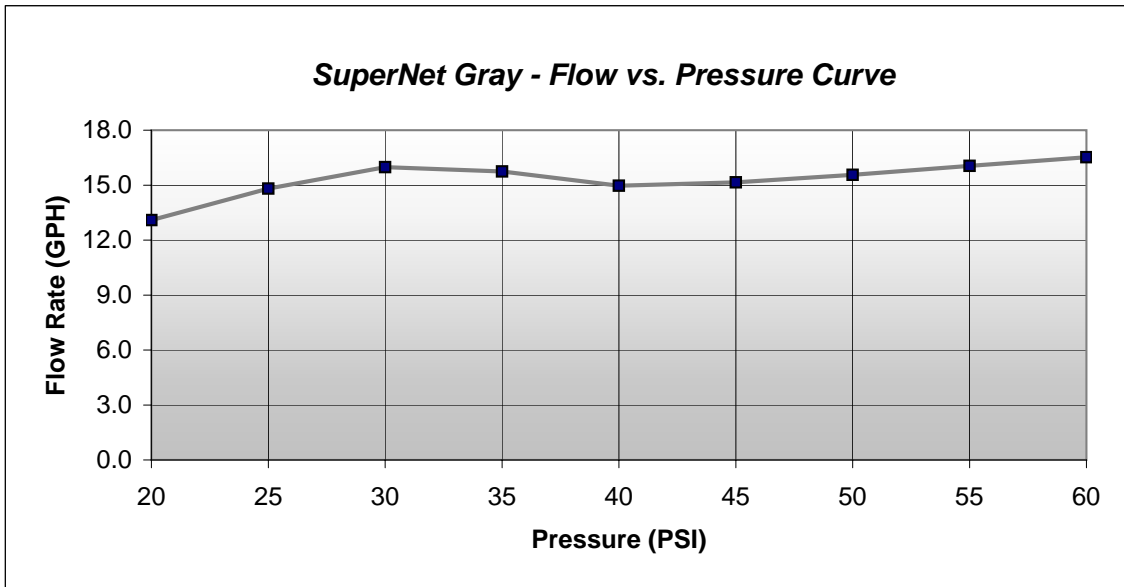
* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
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031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031721	(LR) Black Swivel - Long Range
031723	(LRD) Black Swivel - Long Range with Deflector

Mean Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from mean flow rates

		Pressure (psi)	Mean (GPH)		
		20	13.1		
Recommended Pressure: 25 - 50psi		25	14.8		Recommended Pressure: 25 - 50psi
		30	16.0		
		35	15.8		
		40	15.0		
		45	15.2		
		50	15.6		
		55	16.1		
		60	16.5		



SuperNet® Black - 0.068" orifice, Nominal 18.5 GPH

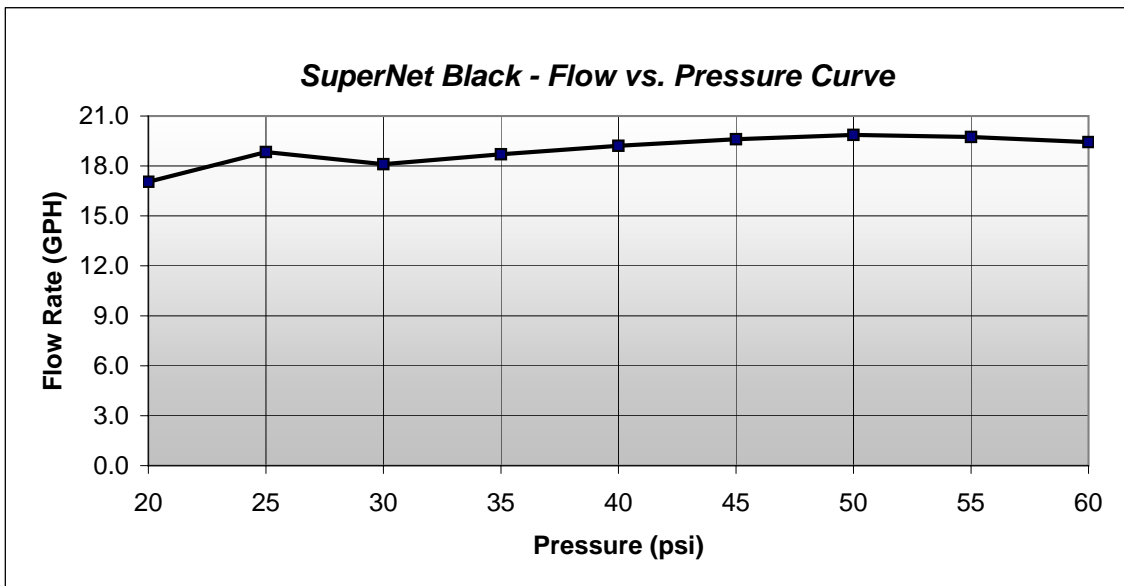
* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
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031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031733	Diaphragm
031734	O-Ring for Regulating chamber
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031721	(LR) Black Swivel - Long Range
031723	(LRD) Black Swivel - Long Range with Deflector

Mean Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from mean flow rates

Recommended Pressure: 25 - 50psi	Pressure (psi)	Mean (GPH)	Recommended Pressure: 25 - 50psi
	20	17.1	
	25	18.8	
	30	18.1	
	35	18.7	
	40	19.2	
	45	19.6	
	50	19.9	
	55	19.7	
60	19.4		



SuperNet® Orange - 0.069" orifice, Nominal 23.8 GPH

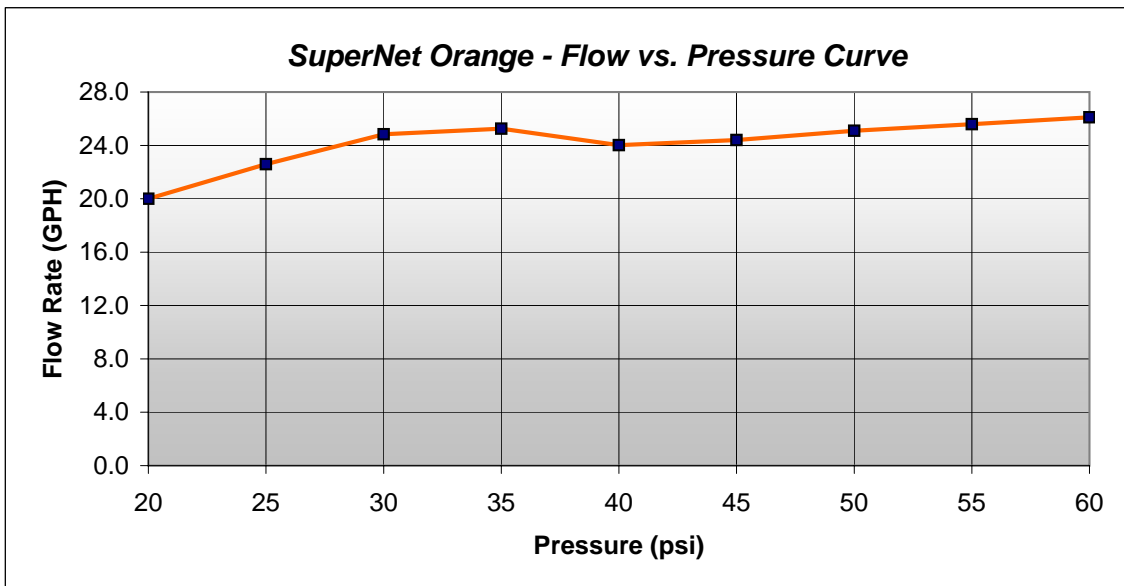
* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
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031732	Bridge
031733	Diaphragm
031734	O-Ring for Regulating chamber
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031721	(LR) Black Swivel - Long Range
031723	(LRD) Black Swivel - Long Range with Deflector

Mean Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from mean flow rates

	Pressure (psi)	Mean (GPH)	
	20	20.0	
Recommended Pressure: 25 - 50psi	25	22.6	Recommended Pressure: 25 - 50psi
	30	24.8	
	35	25.3	
	40	24.0	
	45	24.4	
	50	25.1	
	55	25.6	
	60	26.1	



SUPERNET JR. SPRINKLERS

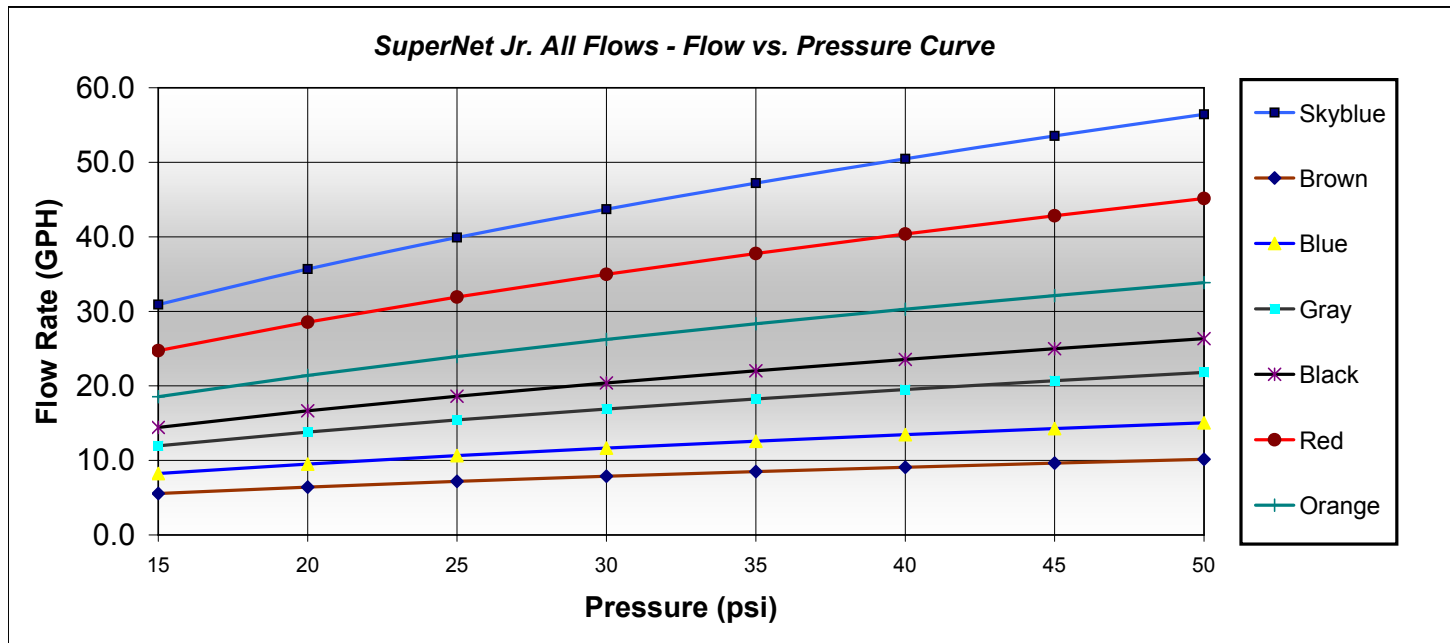
NON-FLOW REGULATED MICRO-SPRINKLER



SUPERNET[®] JR. MEAN FLOW RATES (GPH)

Pressure (psi)	Brown	Blue	Gray	Black	Orange	Red	SkyBlue
15	5.6	8.2	12.0	14.4	18.5	24.7	30.9
20	6.4	9.5	13.8	16.7	21.4	28.6	35.7
25	7.2	10.6	15.4	18.6	23.9	31.9	39.9
30	7.9	11.7	16.9	20.4	26.2	35.0	43.7
35	8.5	12.6	18.3	22.0	28.3	37.8	47.2
40	9.1	13.5	19.5	23.6	30.3	40.4	50.5
45	9.6	14.3	20.7	25.0	32.1	42.8	53.5
50	10.2	15.0	21.8	26.3	33.9	45.1	56.4

SuperNet Jr.	Swivel Diameter of Throw (feet) @ 8" above Ground & 25 psi			
	SRD	SR	LRD	LR
Brown	4.3'	11.5'	4.9'	13.1'
Blue	4.3'	14.8'	4.9'	18.0'
Gray	4.3'	18.0'	4.9'	23.0'
Black	4.3'	18.0'	6.6'	23.0'
Orange	4.3'	19.7'	6.6'	23.0'
Red	4.3'	21.3'	6.6'	23.0'
SkyBlue	4.3'	23.0'	-'	27.9'



SuperNet® Jr. Brown - 0.030" orifice

* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
03600	SuperNet Jr. Stake, 12"
031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031722	(LR) Purple Swivel - Long Range
031724	(LRD) Purple Swivel - Long Range with Deflector

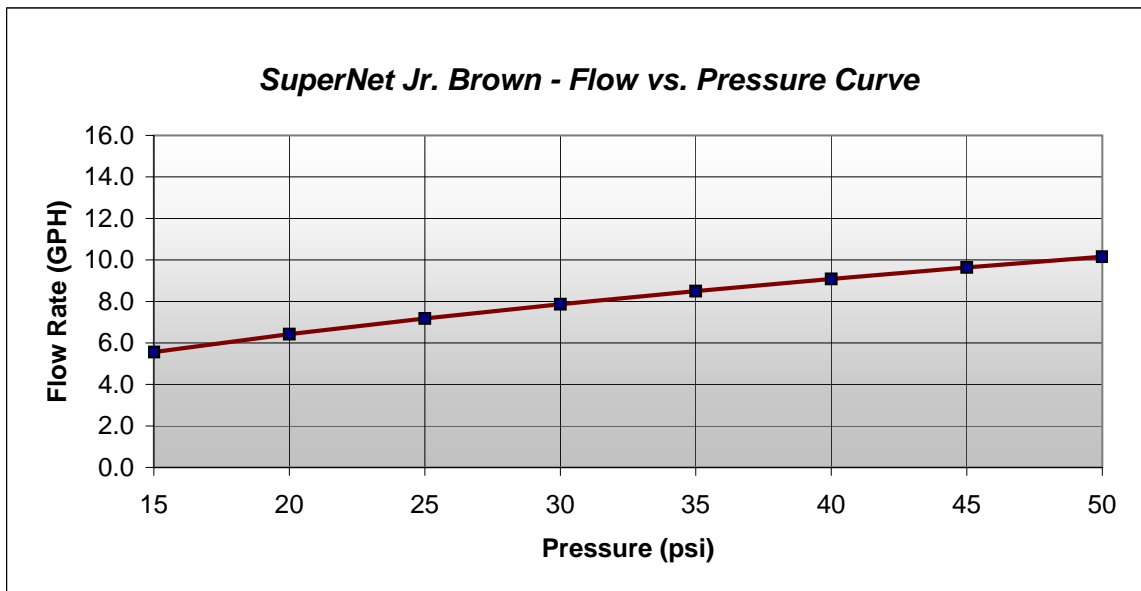
Nominal Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from nominal flow rates

	Pressure (psi)	Mean (GPH)	
Recommended Pressure: 15 - 35 psi	15	5.6	Recommended Pressure: 15 - 35 psi
	20	6.4	
	25	7.2	
	30	7.9	
	35	8.5	
	40	9.1	
	45	9.6	
	50	10.2	

* Note: Maximum Stream Height of SR is 8"

* Note: Maximum Stream Height of LR is 24"



SuperNet® Jr. Blue - 0.035" orifice

* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
03600	SuperNet Jr. Stake, 12"
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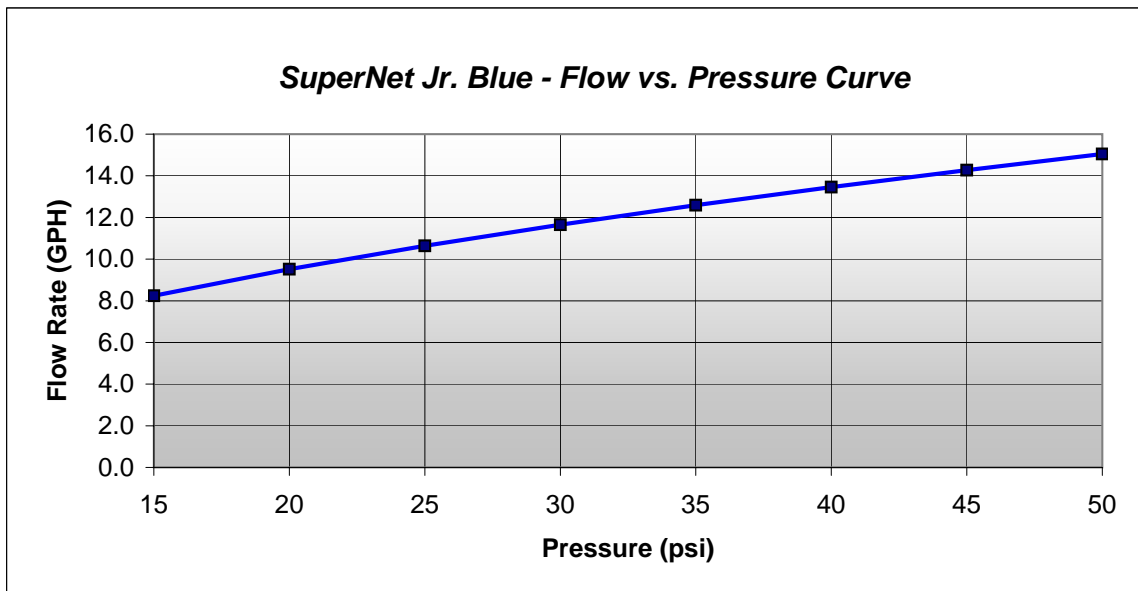
Nominal Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from nominal flow rates

	Pressure (psi)	Mean (GPH)	
Recommended Pressure: 15 - 35 psi	15	8.2	Recommended Pressure: 15 - 35 psi
	20	9.5	
	25	10.6	
	30	11.7	
	35	12.6	
	40	13.5	
	45	14.3	
	50	15.0	

* Note: Maximum Stream Height of SR is 10"

* Note: Maximum Stream Height of LR is 31"



SuperNet[®] Jr. Gray - 0.043" orifice

* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
03600	SuperNet Jr. Stake, 12"
031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
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031723	(LRD) Black Swivel - Long Range with Deflector

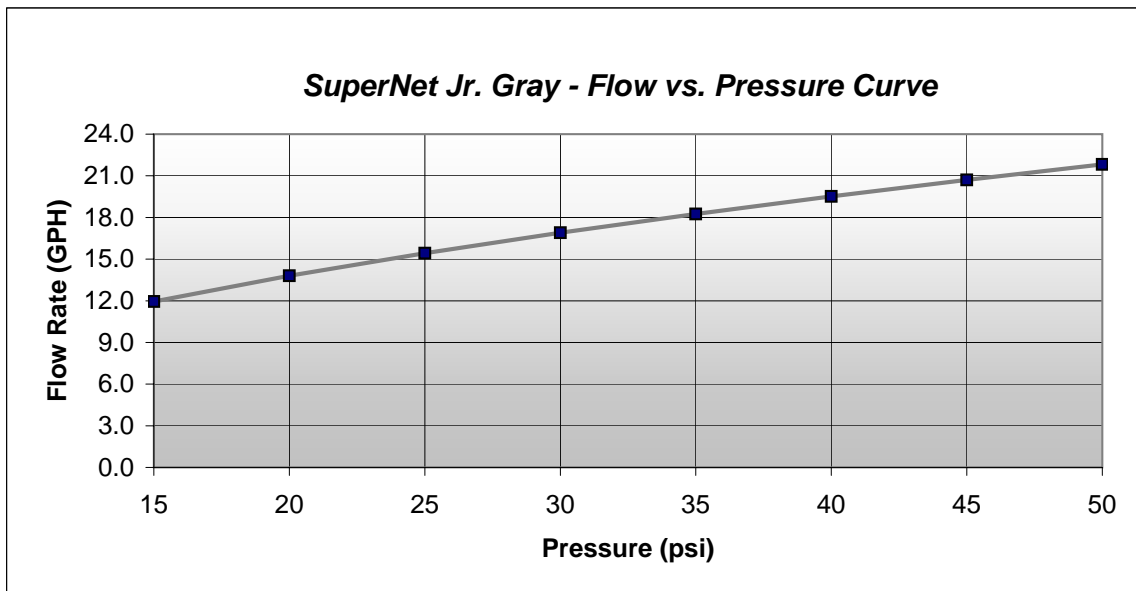
Nominal Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from nominal flow rates

Recommended Pressure: 15 - 35 psi	Pressure (psi)	Mean (GPH)	Recommended Pressure: 15 - 35 psi
	15	12.0	
	20	13.8	
	25	15.4	
	30	16.9	
	35	18.3	
	40	19.5	
	45	20.7	
	50	21.8	

* Note: Maximum Stream Height of SR is 12"

* Note: Maximum Stream Height of LR is 33"



SuperNet® Jr. Black - 0.047" orifice

* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
03600	SuperNet Jr. Stake, 12"
031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031721	(LR) Black Swivel - Long Range
031723	(LRD) Black Swivel - Long Range with Deflector

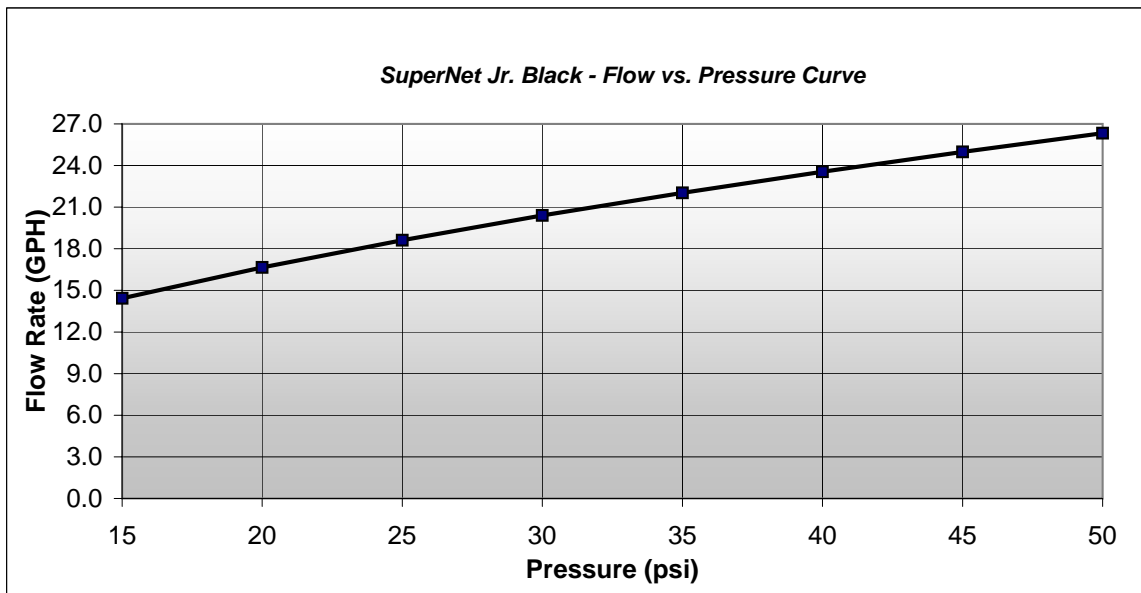
Nominal Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from nominal flow rates

	Pressure (psi)	Mean (GPH)	
Recommended Pressure: 15 - 35 psi	15	14.4	Recommended Pressure: 15 - 35 psi
	20	16.7	
	25	18.6	
	30	20.4	
	35	22.0	
	40	23.6	
	45	25.0	
	50	26.3	

* Note: Maximum Stream Height of SR is 14"

* Note: Maximum Stream Height of LR is 35"



SuperNet[®] Jr. Orange - 0.055" orifice

* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
03600	SuperNet Jr. Stake, 12"
031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031721	(LR) Black Swivel - Long Range
031723	(LRD) Black Swivel - Long Range with Deflector

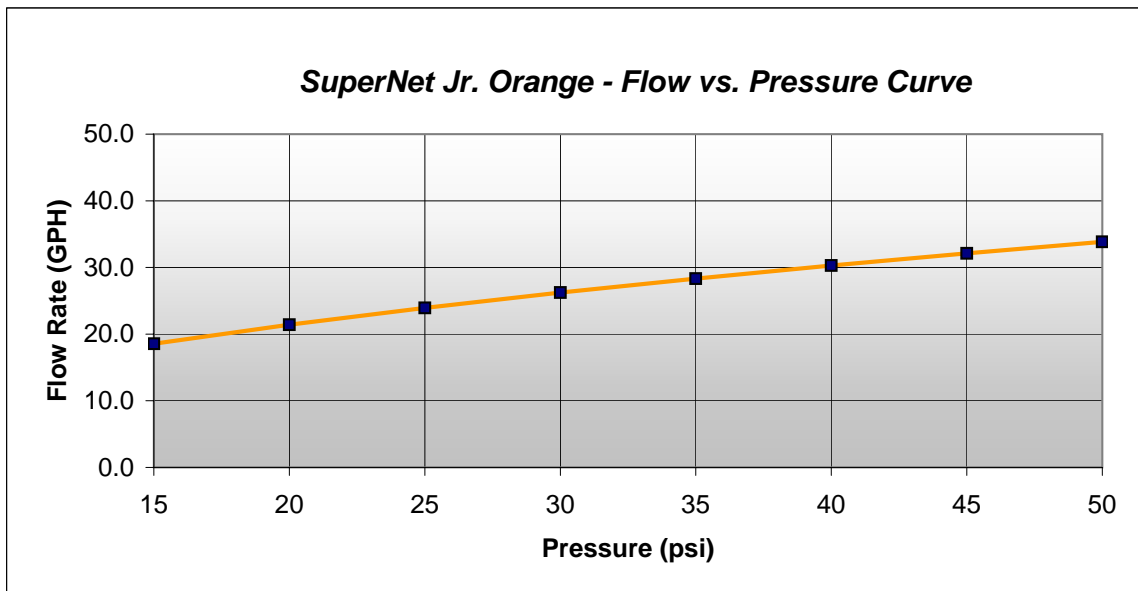
Nominal Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from nominal flow rates

	Pressure (psi)	Mean (GPH)	
Recommended Pressure: 15 - 35 psi	15	18.5	Recommended Pressure: 15 - 35 psi
	20	21.4	
	25	23.9	
	30	26.2	
	35	28.3	
	40	30.3	
	45	32.1	
	50	33.9	

* Note: Maximum Stream Height of SR is 16"

* Note: Maximum Stream Height of LR is 43"



SuperNet® Jr. Red - 0.063" orifice

* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
03600	SuperNet Jr. Stake, 12"
031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031721	(LR) Black Swivel - Long Range
031723	(LRD) Black Swivel - Long Range with Deflector

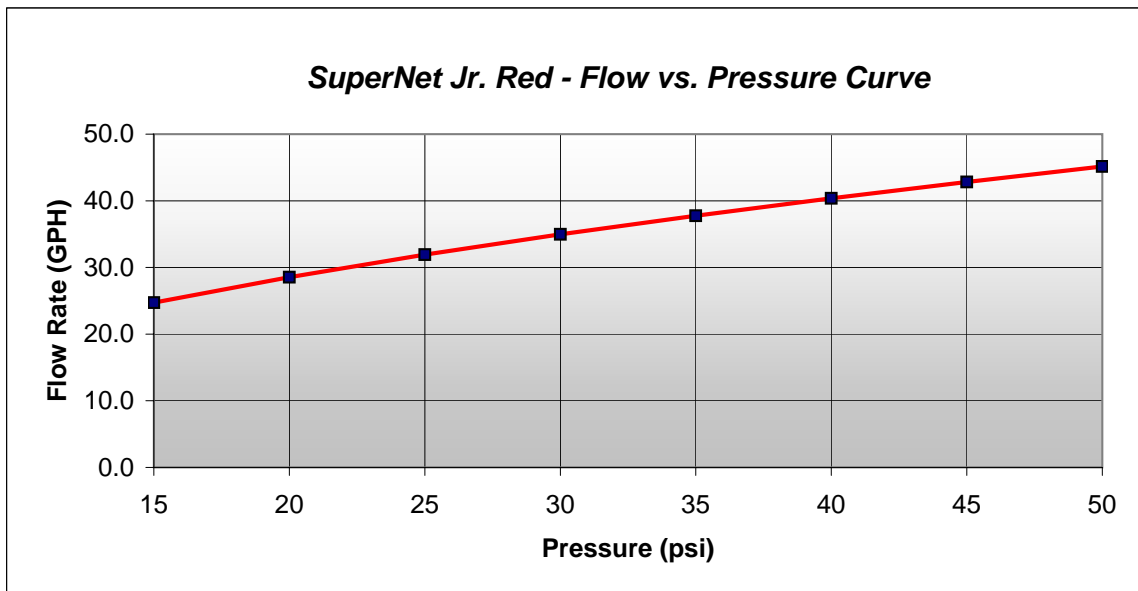
Nominal Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from nominal flow rates

	Pressure (psi)	Mean (GPH)	
Recommended Pressure: 15 - 35 psi	15	24.7	Recommended Pressure: 15 - 35 psi
	20	28.6	
	25	31.9	
	30	35.0	
	35	37.8	
	40	40.4	
	45	42.8	
	50	45.1	

* Note: Maximum Stream Height of SR is 16"

* Note: Maximum Stream Height of LR is 43"



SuperNet[®] Jr. SkyBlue - 0.071" orifice

* Note: Minimum 120 mesh filtration required *

Miscellaneous Parts List	
PART NUMBER	DESCRIPTION
03134800758	30" Micro-tubing with barbed connector
03134800908	36" Micro-tubing with barbed connector
03134801208	48" Micro-tubing with barbed connector
03600	SuperNet Jr. Stake, 12"
031748	Barb X barb connector
031735	Stream Splitter
031739	Everspin Upper Bearing
031732	Bridge
031725	(SR) Blue Swivel - Short Range
031726	(SRD) Blue Swivel - Short Range with Deflector
031721	(LR) Black Swivel - Long Range
031723	(LRD) Black Swivel - Long Range with Deflector

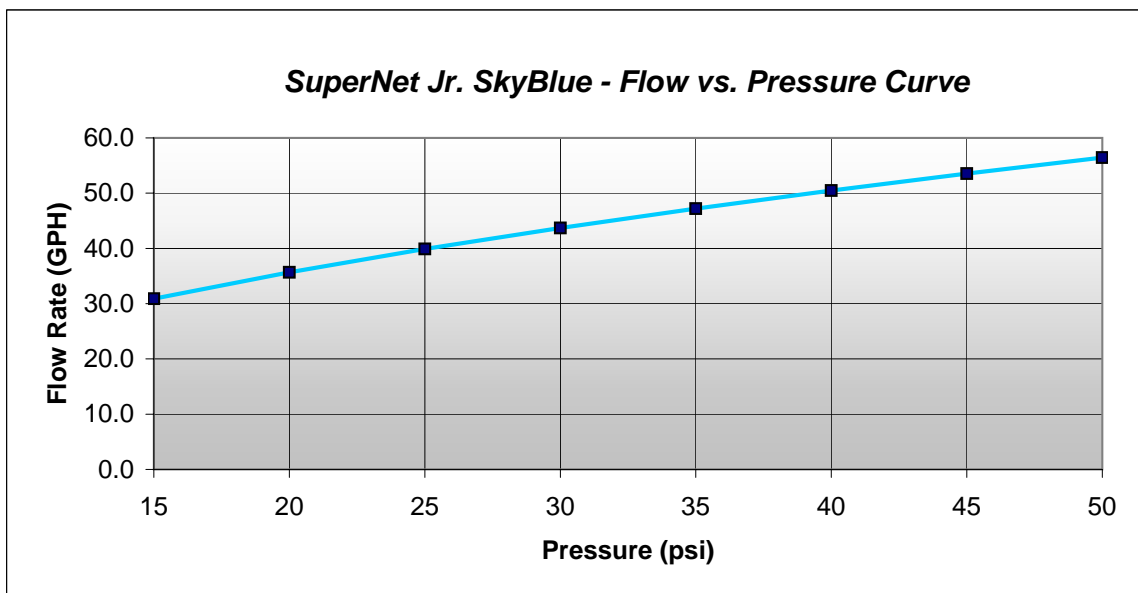
Nominal Flow Rate Chart of Pressures and Flows

* Note: Flows rates may vary + or - 5% from nominal flow rates

	Pressure (psi)	Mean (GPH)	
Recommended Pressure: 15 - 35 psi	15	30.9	Recommended Pressure: 15 - 35 psi
	20	35.7	
	25	39.9	
	30	43.7	
	35	47.2	
	40	50.5	
	45	53.5	
	50	56.4	

* Note: Maximum Stream Height of SR is 16"

* Note: Maximum Stream Height of LR is 47"



NETJET SPRINKLERS

SPRAY JET



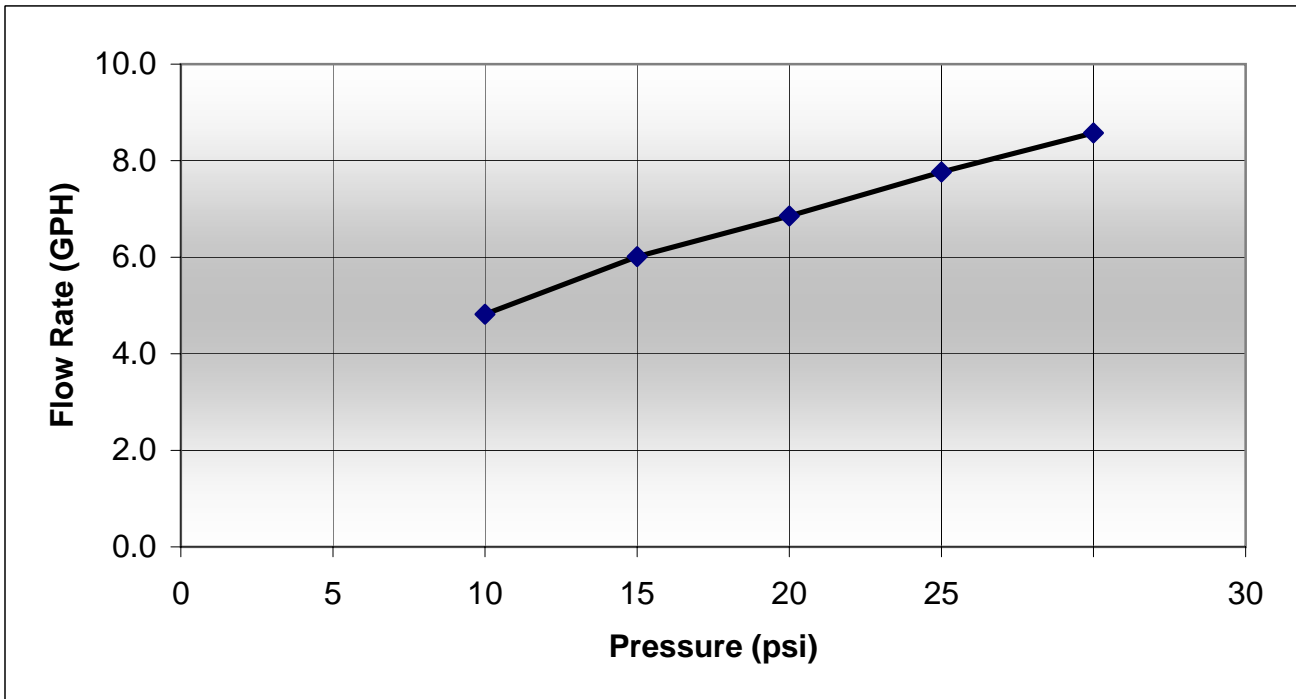
NETJET™ FLOW EVALUATION

Emitter Description : Black
 Test Date : 12/4/02
 Number Tested : 25

**NetJet
 Black**

Pressure (psi)	Temp. (°F)	Mean (GPH)	Std. Dev. (GPH)	Cv	EU	CU
10.0	63.7	4.82	0.073	0.015	98%	99%
15.0	63.8	6.01	0.096	0.016	98%	99%
20.0	64.1	6.85	0.110	0.016	98%	99%
25.0	65.1	7.77	0.126	0.016	98%	99%
30.0	65.0	8.58	0.119	0.014	98%	99%

Design Data	
K	X
1.545	0.50



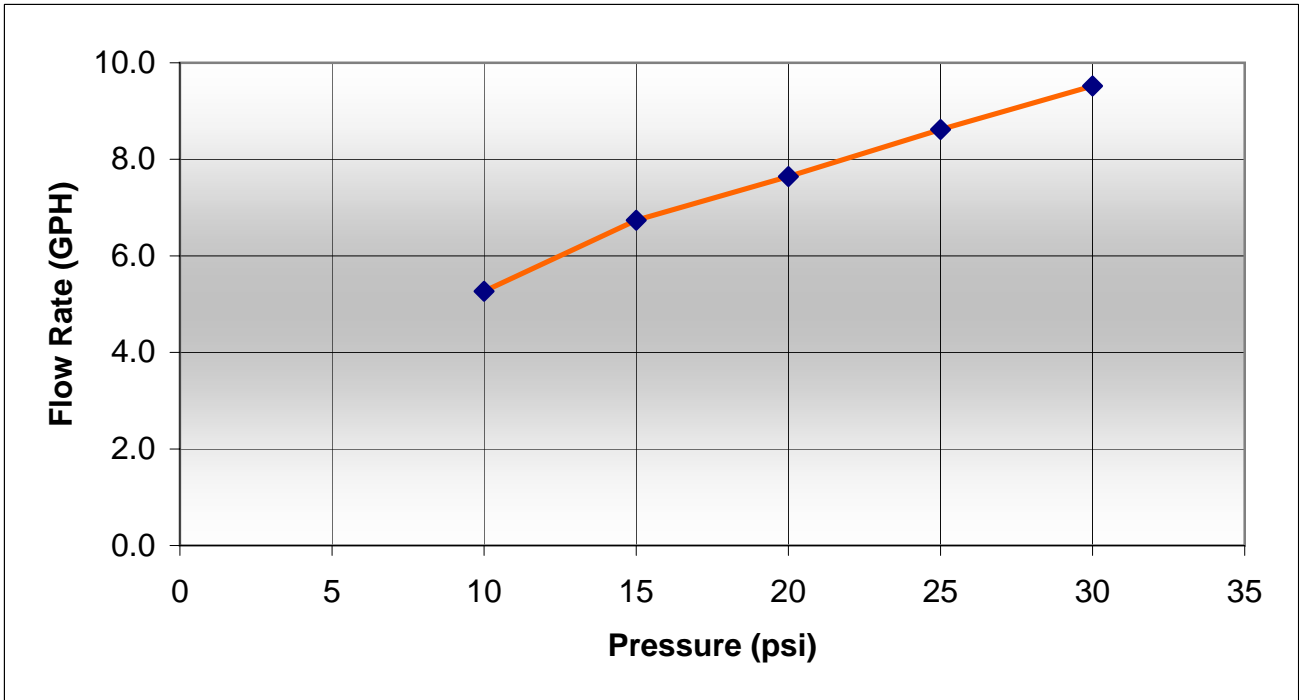
NETJET™ FLOW EVALUATION

Emitter Description : Orange
 Test Date : 12/3/02
 Number Tested : 25

*NetJet
 Orange*

Pressure (psi)	Temp. (°F)	Mean (GPH)	Std. Dev. (GPH)	Cv	EU	CU
10.0	62.8	5.27	0.126	0.024	97%	98%
15.0	64.1	6.74	0.160	0.024	97%	98%
20.0	64.5	7.64	0.202	0.026	97%	98%
25.0	64.9	8.62	0.225	0.026	97%	98%
30.0	65.3	9.52	0.260	0.027	96%	98%

Design Data	
K	X
1.715	0.50



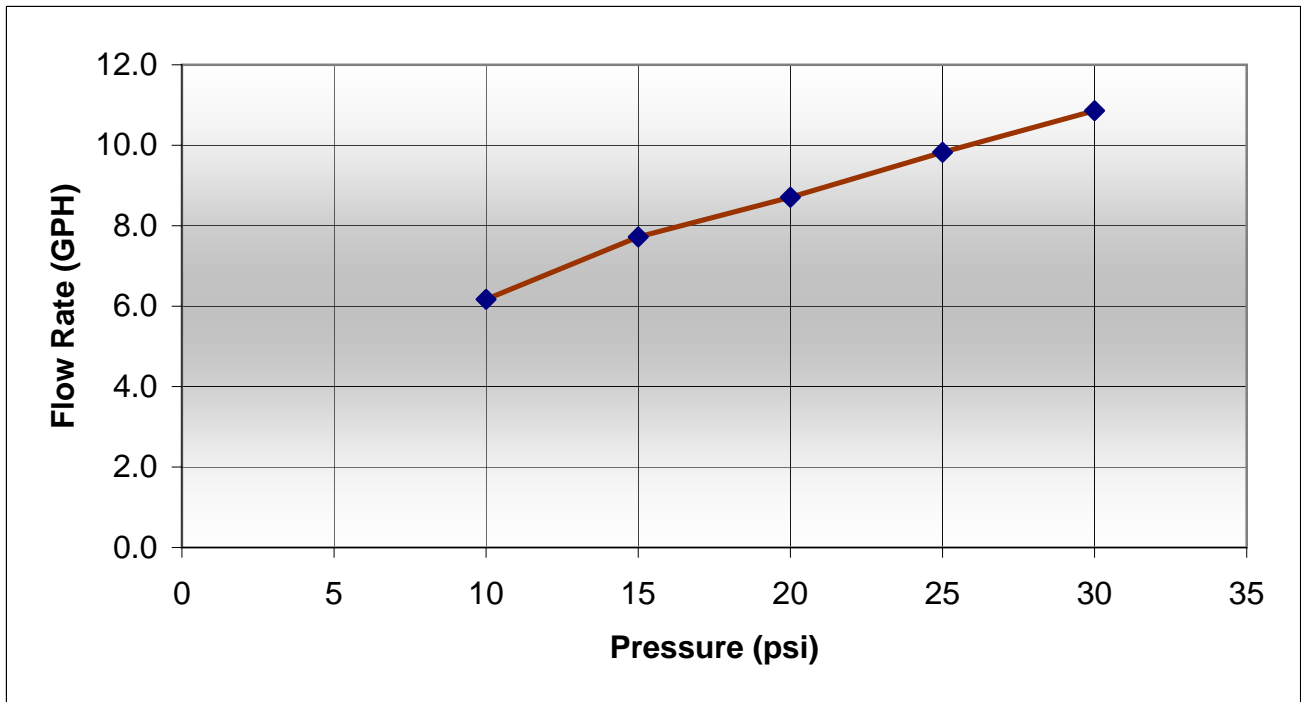
NETJET™ FLOW EVALUATION

Emitter Description : Brown
 Test Date : 12/2/02
 Number Tested : 25

**NetJet
Brown**

Pressure (psi)	Temp. (°F)	Mean (GPH)	Std. Dev. (GPH)	Cv	EU	CU
10.0	61.7	6.17	0.291	0.047	95%	97%
15.0	62.4	7.72	0.375	0.049	95%	97%
20.0	63.0	8.71	0.411	0.047	95%	97%
25.0	63.5	9.83	0.457	0.047	95%	97%
30.0	63.9	10.86	0.499	0.046	95%	97%

Design Data	
<u>K</u>	<u>X</u>
1.968	0.50



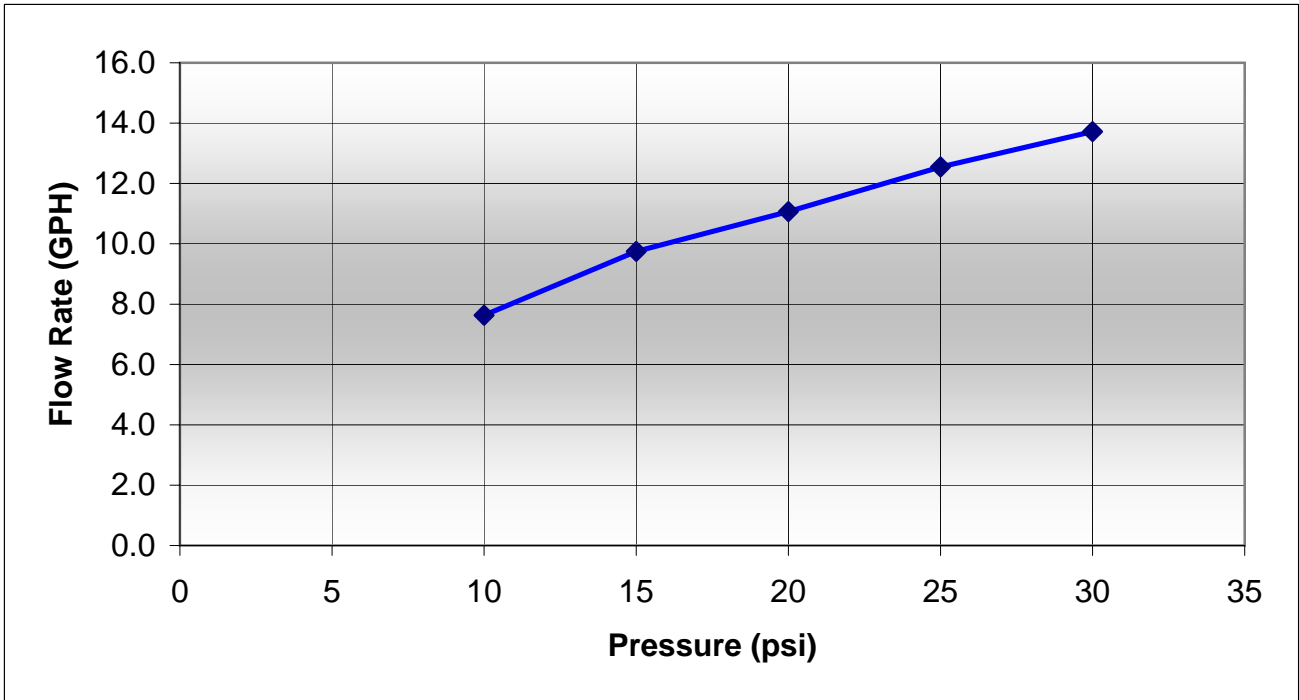
NETJET™ FLOW EVALUATION

Emitter Description : Blue
 Test Date : 12/3/02
 Number Tested : 25

**NetJet
Blue**

Pressure (psi)	Temp. (°F)	Mean (GPH)	Std. Dev. (GPH)	Cv	EU	CU
10.0	62.0	7.632	0.116	0.015	98%	99%
15.0	63.1	9.749	0.124	0.013	98%	99%
20.0	63.7	11.07	0.154	0.014	98%	99%
25.0	64.0	12.55	0.175	0.014	98%	99%
30.0	64.1	13.72	0.224	0.016	98%	99%

Design Data	
K	X
2.484	0.50



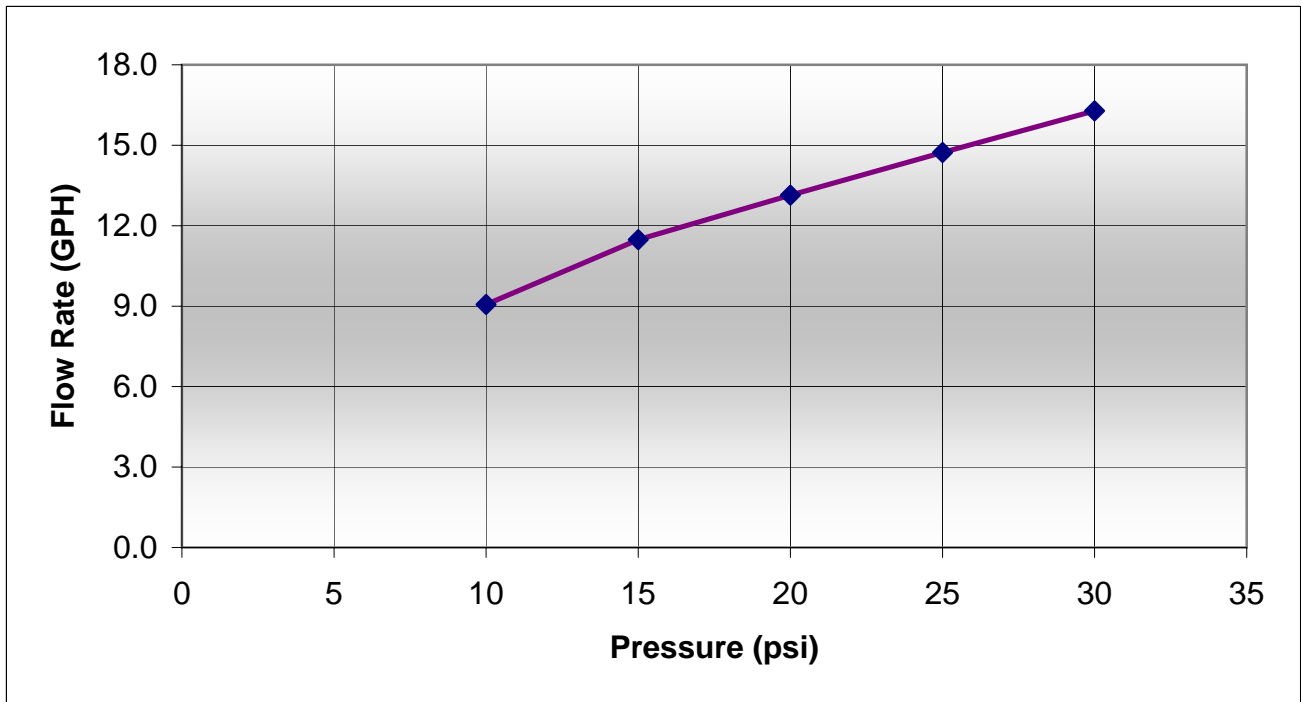
NETJET™ FLOW EVALUATION

Emitter Description : Purple
 Test Date : 12/5/02
 Number Tested : 25

**NetJet
Purple**

Pressure (psi)	Temp. (°F)	Mean (GPH)	Std. Dev. (GPH)	Cv	EU	CU
10.0	63.9	9.065	0.166	0.018	98%	99%
15.0	62.5	11.48	0.466	0.041	95%	98%
20.0	63.6	13.14	0.506	0.039	96%	98%
25.0	64.0	14.73	0.600	0.041	95%	97%
30.0	64.2	16.28	0.654	0.040	95%	97%

Design Data	
K	X
2.937	0.50



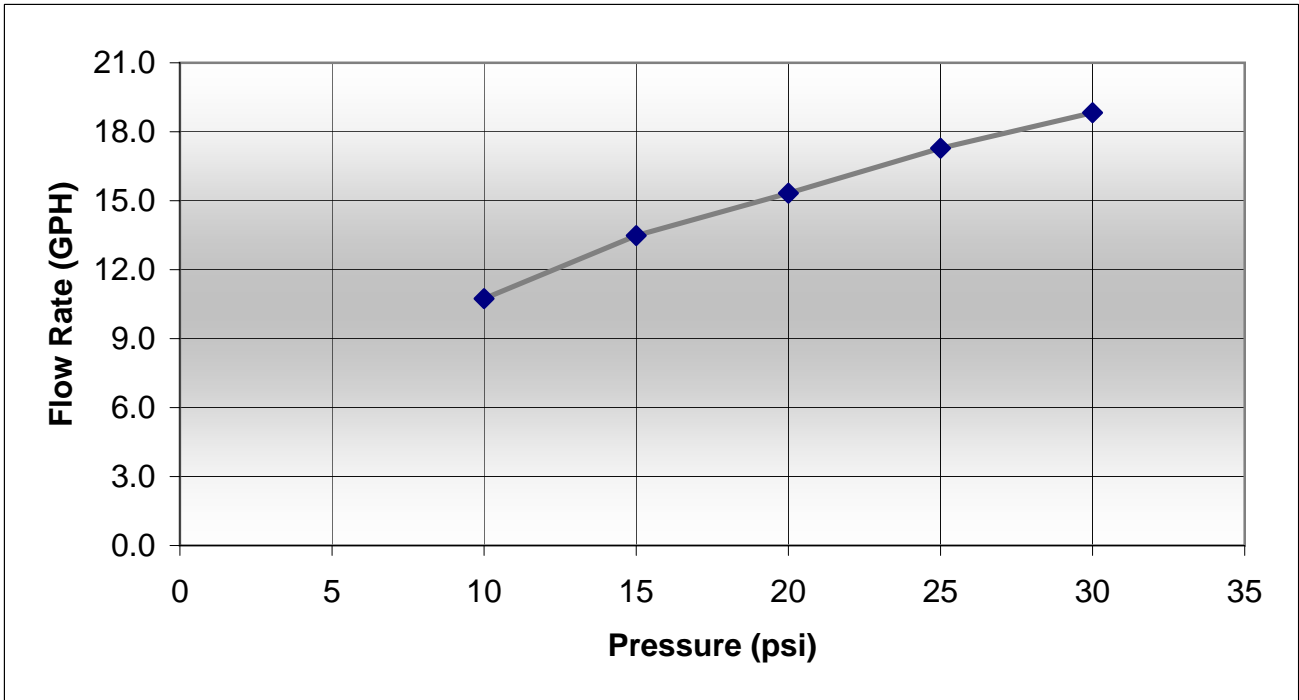
NETJET™ FLOW EVALUATION

Emitter Description : Gray
 Test Date : 12/5/02
 Number Tested : 25

*NetJet
 Gray*

Pressure (psi)	Temp. (°F)	Mean (GPH)	Std. Dev. (GPH)	Cv	EU	CU
10.0	63.9	10.74	0.120	0.011	99%	99%
15.0	64.9	13.48	0.210	0.016	98%	99%
20.0	64.9	15.33	0.186	0.012	99%	99%
25.0	64.9	17.28	0.185	0.011	99%	99%
30.0	63.3	18.83	0.730	0.039	96%	98%

Design Data	
K	X
3.440	0.50



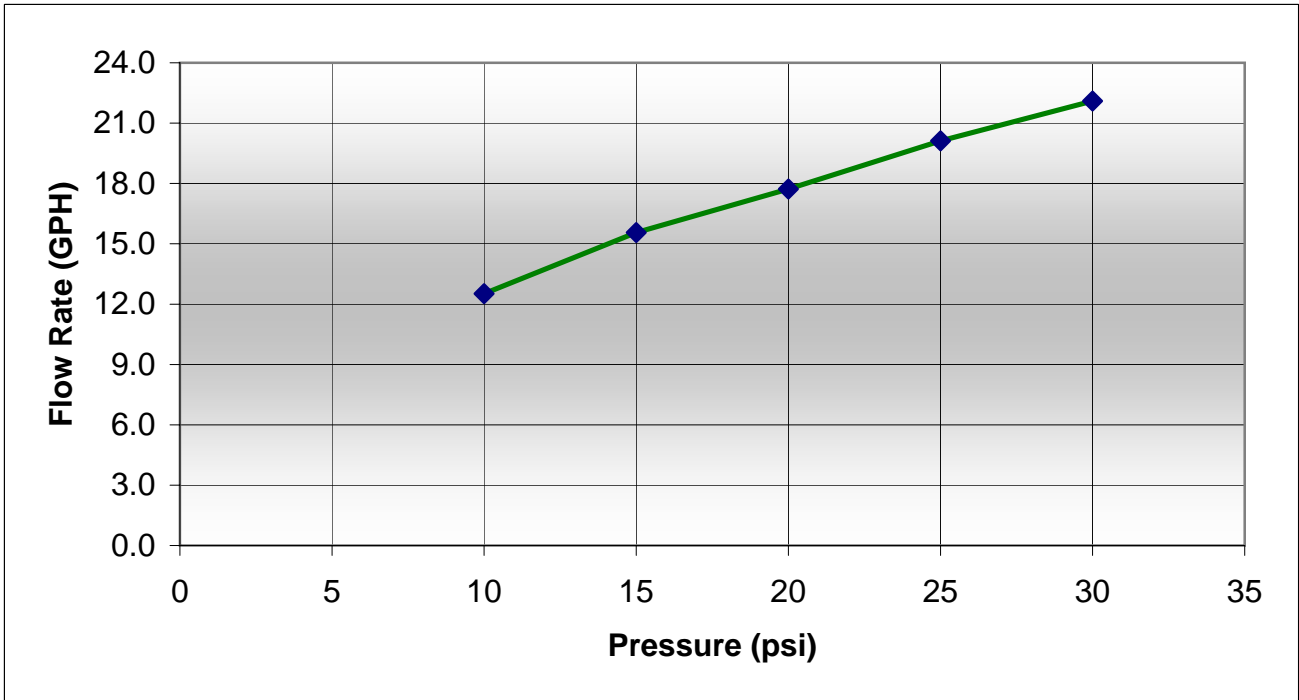
NETJET™ FLOW EVALUATION

Emitter Description : Green
 Test Date : 12/6/02
 Number Tested : 25

**NetJet
Green**

Pressure (psi)	Temp. (°F)	Mean (GPH)	Std. Dev. (GPH)	Cv	EU	CU
10.0	63.7	12.52	0.168	0.013	99%	99%
15.0	64.4	15.56	0.242	0.016	99%	99%
20.0	64.6	17.72	0.259	0.015	99%	99%
25.0	64.8	20.12	0.308	0.015	99%	99%
30.0	64.8	22.10	0.303	0.014	99%	99%

Design Data	
K	X
4.000	0.50



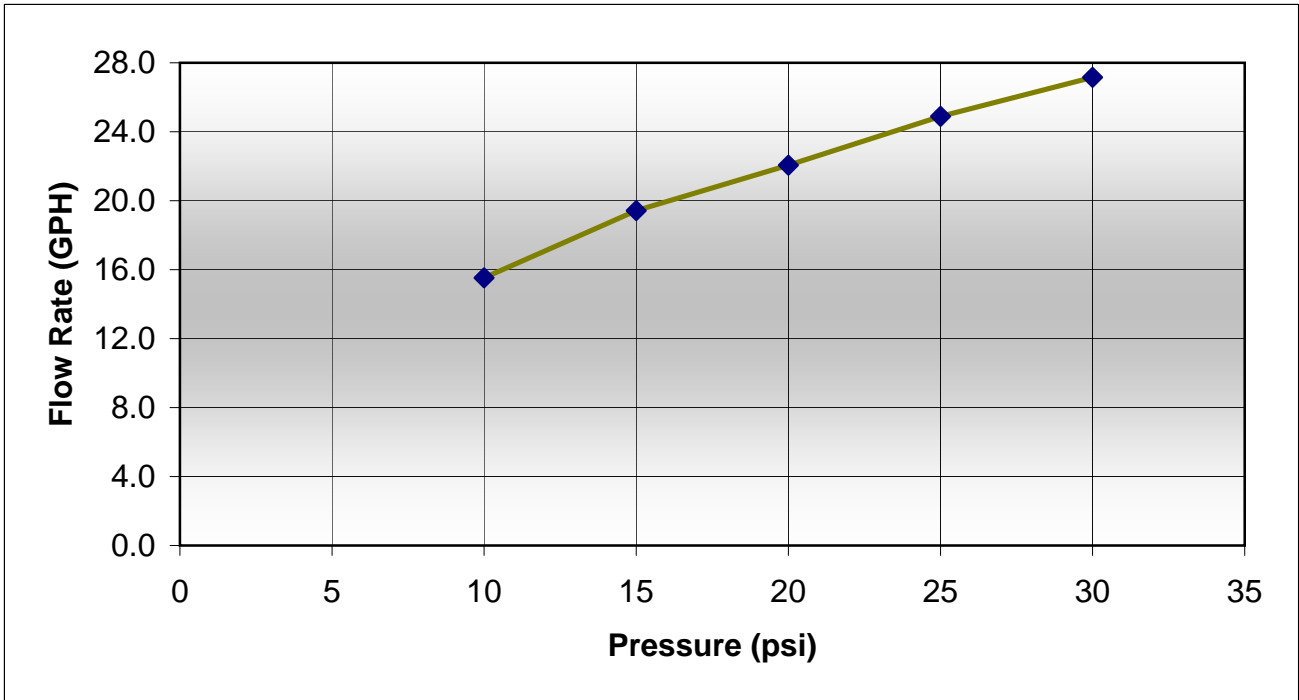
NETJET™ FLOW EVALUATION

Emitter Description : Olive
 Test Date : 12/9/02
 Number Tested : 25

*NetJet
 Olive*

Pressure (psi)	Temp. (°F)	Mean (GPH)	Std. Dev. (GPH)	Cv	EU	CU
10.0	63.0	15.53	0.353	0.023	98%	99%
15.0	62.0	19.42	0.336	0.017	98%	99%
20.0	62.7	22.06	0.501	0.023	98%	99%
25.0	63.0	24.89	0.531	0.021	98%	99%
30.0	63.0	27.16	0.644	0.024	98%	99%

Design Data	
K	X
4.959	0.50



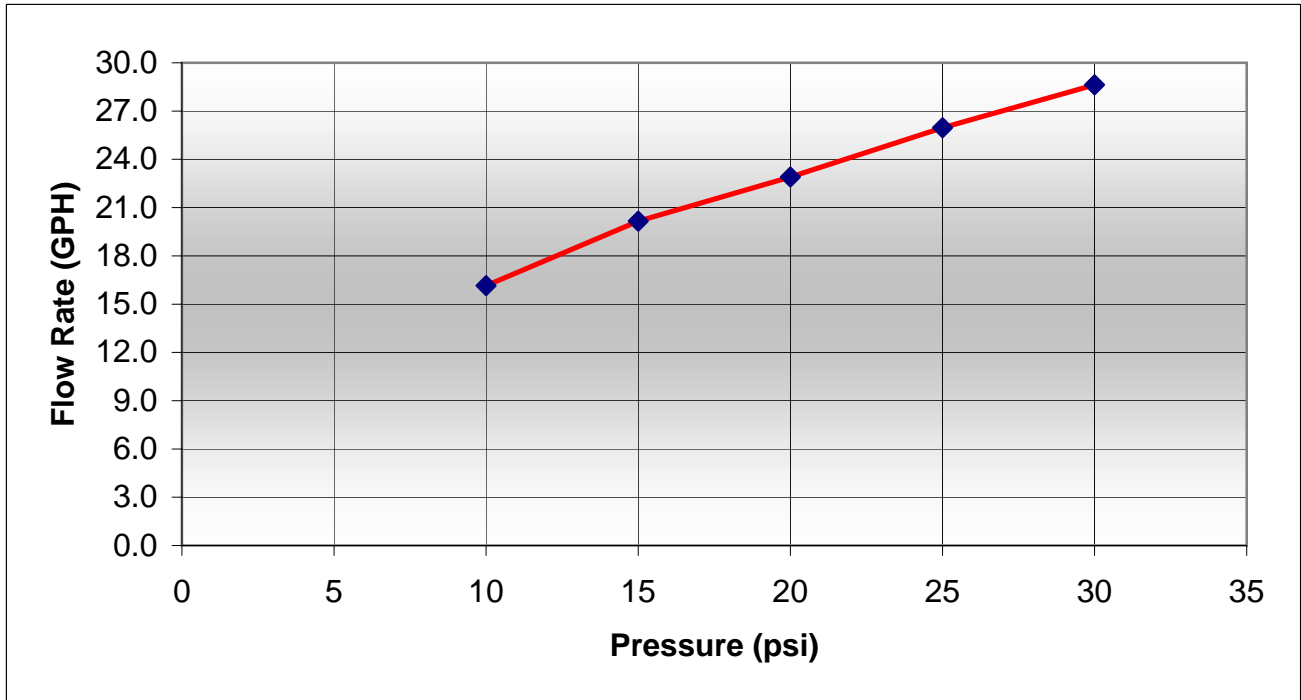
NETJET™ FLOW EVALUATION

Emitter Description : Red
 Test Date : 12/9/02
 Number Tested : 25

**NetJet
 Red**

Pressure (psi)	Temp. (°F)	Mean (GPH)	Std. Dev. (GPH)	Cv	EU	CU
10.0	61.8	16.15	0.460	0.028	97%	98%
15.0	62.6	20.16	0.528	0.026	98%	98%
20.0	63.1	22.90	0.617	0.027	97%	99%
25.0	63.3	25.96	0.779	0.030	97%	98%
30.0	63.3	28.63	0.940	0.033	96%	98%

Design Data	
K	X
5.170	0.50





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