

2178 Centurion Place
Boise, Idaho, 83709

TOLL-FREE 888-375-1411

B.A. FISCHER

SALES CO., INC.

PURVEYORS OF THE FINEST

1977

IRRIGATION SUPPLIES

ph: 208-375-1411
fax: 208-375-8022

BAFISCHER.COM

Sprinklers, Accessories and Parts



X85ED24



HF20



HF30



AL30



AL1023



X65ED-S



**NEW
3/4"
Gun Cart
available!**



X100-18



**BAFSCO
GUN CART**

2178 Centurion Place
Boise, Idaho, 83709

TOLL-FREE 888-375-1411

B.A. FISCHER

SALES CO., INC.

PURIFIERS • FINEST

1977

IRRIGATION SUPPLIES

ph: 208-375-1411
fax: 208-375-8022

BAFISCHER.COM

Effective 1/1/15



GUN CART



3/4" Female Thread,
1/2" Bushing Included

3/4" Female Thread,
Brass Garden Hose
Adapter Included



GCHP



GCHA



X-CART.5



1.25"

Female Thread,
1" Bushing Included
Sprinklers sold separately

33.5"

Height to Sprinkler
and 36.5" Wheel Base

*2 per box
UPS

2"

Male NPT
2" Male "A" Type
Aluminum Camlock
Included

BAFSCO™ Gun Carts and Accessories

Part No.	Description	List
GC	Standard Gun Cart w/Tires, Bushing and Camlock	222.00
GC-50	Half Size Gun Cart w/Tires, Bushing and Female Hose Thread	160.00
X-CART.5	1/2" Base Sprinkler Cart w/ Female Hose Thread	*76.00
GCHP	100' - 2" 80 psi Blue Hose w/Camlocks M x F	144.00
GCHP-50	50' - 2" 80 psi Blue Hose w/Camlocks M x F	120.00
GCHA	2" Female NPT x 3" male hook and latch	30.00
GC4HA	2" Female NPT x 4" male hook and latch	53.80
EP3OUT-75	3/4" Female NPT x 3" male hook and latch	30.00
EP4OUT-75	3/4" Female NPT x 4" male hook and latch	53.80
GCT	Tire and Wheel Assembly	24.00
3020AA	2" Female NPT x 3" Male Camlock	24.65

Aqua Burst Sprinklers

Effective 1/1/15



HF30



AL30

AQUA BURST
Torque Driven

Full Circle



AL1023



HF20

Model	Bearing Size	Description	Use Nozzle	Standard Package	Weight Per Box	List Price w/ Nozzle
AL1023	1/2"	Aqua Burst Aluminum Arm, Dual nozzle 10° and/or 23°, 3/32"-5/32"	DN-1	100	45	10.50
AL1023W1/2"	1/2"	Aqua Burst Aluminum Wedge arm, Dual nozzle 10° and/or 23°, 3/32"-5/32"	DN-1	80	41	10.90
HF20	1/2"	Aqua Burst Forged Brass arm, single nozzle 23° in 7/64", 1/8" 9/64"	DN-1	100	50	12.60
HF30	3/4"	Aqua Burst Forged brass arm, single or dual nozzle, 26°, nozzle range 7/64"-1/4" DN-3	DN-3	60	66	20.80
AL30	3/4"	Aqua Burst Aluminum arm, single or dual nozzle, 26°, nozzle range 7/64"-1/4" DN-3	DN-3	60	47	17.20
HF30AL	3/4"	Aqua Burst Aluminum arm, single or dual nozzle, 26°, nozzle range 7/64"-1/4" DN-3	DN-3	60	58	20.80
X65F	1"	Aqua Burst Forged brass arm, Single nozzle, 24°, nozzle range 7/32"-3/8"	DN-4	5	25	126.00
X85F	1 1/4"	Aqua Burst Bronze lever, dual noz, 24°, male bearing, nozzle range 1 1/32"-3/4" DN-5	DN-5	ea	49	245.00



X25EDS



X35ED

Raven-Smart
Technology of Modern Design
X SERIES BRASS - MADE TO LAST

Part Circle



X85ED



X65EDS

Model	Bearing Size	Description	Use Nozzle	Standard Package	Weight Per Box	List Price w/Nozzle
X25ED	1/2"	Aqua Burst Multi-Composite, single nozzle 23°, nozzle range 3/32"-11/64"	DN-1	100	30	14.90
X25EDS	1/2"	Aqua Burst Multi-Composite, single nozzle 23°, nozzle range 3/32"-11/64"	DN-1	100	30	14.90
X35ED	3/4"	Aqua Burst Triple bridge cast arm, single nozzle, 25°, nozzle range 7/64"-1/4" DN-3	DN-3	20	45	43.00
X65EDS	1"	Aqua Burst Bronze lever, single noz, 24°, male bearing, nozzle range 7/32"-3/8" DN-4	DN-4	5	25	152.00
X85ED18	1 1/4"	Aqua Burst Bronze lever, dual noz, 18°, male bearing, noz range 1 1/32"-1 1/16" DN-5	DN-5	ea	52	268.00
X85ED24	1 1/4"	Aqua Burst Bronze lever, dual noz, 24°, male bearing, noz range 1 1/32"-1 1/16" DN-5	DN-5	ea	52	268.00



X100

Pivot End Guns

Twin Max



Model	Bearing Size	Description	Use Nozzle	Standard Package	Weight Per Box	List Price w/ Nozzle
K101	2" NPTF	18° or 24° Komet Twin 101 Pivot End Gun, nozzle range - .47"- .94"	K101	1	21	1240.00
KMAX	2" NPTF	18° or 24° Komet Max Pivot End Gun, nozzle range- .39"- .94"	KMAX	1	18	1140.00
X100-18	2" NPTF	18° X100 Pivot End Gun, nozzle range- .4"-1"	X100-42	1	23	770.00
X100-24	2" NPTF	24° X100 Pivot End Gun, nozzle range- .4"-1"	X100-42	1	23	770.00

1/2" BRASS IMPACT SPRINKLER

1/2" Full-Circle Brass Impact Torque Driven™ Spoon Technology

Effective 1/1/15



**FIVE-YEAR
LIMITED BEARING
WARRANTY**

HF20

Features

- Full-circle impact - 23° trajectory
- 1/2" male NPT base
- Single nozzle
- 3/8 - 24 UNF nozzle threads
- **Sprinkler does not come with nozzle**

Advantages

- Cast brass drive arm with I-Beam construction and Torque-Driven™ spoon technology with improved balance, rotation speed, and durability
- Advanced arm balance with consistent rotation speed and increased durability
- Wide range of nozzles - 3/32", 7/64", 1/8" and 9/64"
- Stainless steel fulcrum pin, arm spring, and bearing spring
- Cast brass body with large impact bridges and cored water passage
- Coined body and arm ensures proper arm position and smooth operation
- Suitable for solid set and portable applications
- Made with domestic and foreign parts
- **Preassembled with XC-33 thread sealant**

HF20

100 /case

List **\$12.60**

AQUA BURST® Performance Chart

Normal Stream Height At 8' Above Nozzle at Normal Pressure
Radius - GPM

PSI	3/32" nozzle	7/64" nozzle	1/8" nozzle	9/64" nozzle
35	36 - 1.50	38 - 2.05	39 - 2.69	39 - 3.39
40	36 - 1.61	38 - 2.19	39 - 2.88	40 - 3.62
45	37 - 1.71	39 - 2.32	39 - 3.04	40 - 3.84
50	37 - 1.80	39 - 2.45	40 - 3.21	41 - 4.05
55	38 - 1.89	40 - 2.57	40 - 3.37	41 - 4.24
60	38 - 1.97	40 - 2.68	41 - 3.52	41 - 4.43

MULTI-COMPOSITE™ 1/2" BASE ADJUSTABLE IMPACT SPRINKLERS

Effective 1/1/15

1/2" Heavy-Duty Adjustable Multi-Composite™ Impact

Raven-Smart™
Technology

1/2" Heavy-Duty Adjustable Multi-Composite™ Impact



TWO-YEAR
WARRANTY

X25EDS

100/case

List \$14.90

Standard Spoon Arm

- Full or part-circle, impact sprinkler
- 23° trajectory
- 1/2" male NPT base
- Wide range of brass nozzles
- 9/64" nozzle installed
- 3/8-24 UNF nozzle threads

- Anodized aluminum drive arm with brass bushings
- Composite body is super-strong and impact resistant
- All brass bearing
- Stainless steel fulcrum pin, arm spring, and bearing spring
- Operates well at both high and low pressures
- Easily adjustable from 20° to 340° or full-circle
- Built-in vane straightener for improved performance
- Adjustable diffuser pin
- Made with domestic and foreign parts

AQUA BURST® Performance Chart

Normal Stream Height At 2.5' Above Nozzle at Normal Pressure

Radius - GPM

PSI	1/8" nozzle	9/64" nozzle	5/32" nozzle
35	36 - 2.46	36 - 3.41	39 - 4.30
40	37 - 2.68	37 - 3.69	40 - 4.58
45	38 - 2.71	37 - 3.97	43 - 4.89
50	39 - 2.96	39 - 4.09	45 - 5.16
55	39 - 3.18	40 - 4.17	46 - 5.31
60	39 - 3.29	41 - 4.25	47 - 5.60



TWO-YEAR
WARRANTY

X25ED

100/case

List \$14.90

Anti-Backsplash Arm

- Full or part-circle, impact sprinkler
- 23° trajectory
- 1/2" male NPT base
- Wide range of brass nozzles
- 9/64" nozzle installed
- 3/8-24 UNF nozzle threads

- Anodized aluminum drive arm with brass bushings
- Composite body is super-strong and impact resistant
- All brass bearing
- Stainless steel fulcrum pin, arm spring, and bearing spring
- Operates well at both high and low pressures
- Easily adjustable from 20° to 340° or full-circle
- Built-in vane straightener for improved performance
- Adjustable diffuser pin
- Made with domestic and foreign parts

AQUA BURST® Performance Chart

Normal Stream Height At 2.5' Above Nozzle at Normal Pressure

Radius - GPM

PSI	1/8" nozzle	9/64" nozzle	5/32" nozzle
35	36 - 2.46	36 - 3.41	39 - 4.30
40	37 - 2.68	37 - 3.69	40 - 4.58
45	38 - 2.71	37 - 3.97	43 - 4.89
50	39 - 2.96	39 - 4.09	45 - 5.16
55	39 - 3.18	40 - 4.17	46 - 5.31
60	39 - 3.29	41 - 4.25	47 - 5.60

Aqua Burst® impact sprinklers are only guaranteed to function optimally with nozzle type and sizes from each individual model's performance chart.

All Prices Subject To Change Without Notice

MULTI-COMPOSITE™ 1/2" BASE IMPACT SPRINKLERS

Effective 1/1/15

1/2" Full-Circle, Dual-Angle Multi-Composite™ Impact

Raven-Smart™
Technology

1/2" Full-Circle, Dual-Angle Multi-Composite™ Wedge-Driven Impact



AL1023

100/case

List \$10.50

Standard Spoon Arm

- Full-circle, dual angle, 2 in 1 impact sprinkler
- Use as either 10° or 23° trajectory
- 1/2" male N.P.T. base
- Wide range of brass nozzles
- 3/8-24 UNF nozzle threads

Sprinkler Head Does Not Include Nozzle

- Anodized aluminum drive arm
- Composite body is super-strong and impact resistant
- All brass bearing
- Stainless steel fulcrum pin, arm spring, and bearing spring
- Suitable for most solid set and portable applications
- Ideal for low precipitation rates
- Built-in vane straightener for improved performance
- Highly efficient water distribution
- Made from domestic and foreign parts

AQUA BURST® Performance Chart

Normal Stream Height At 2.5' Above Nozzle at Normal Pressure

Radius - GPM

PSI	3/32" nozzle	7/64" nozzle	1/8" nozzle	9/64" nozzle
35	36 - 1.51	38 - 2.06	39 - 2.69	40 - 3.40
40	36 - 1.62	39 - 2.21	39 - 2.88	40 - 3.63
45	37 - 1.71	39 - 2.32	39 - 3.04	40 - 3.86
50	37 - 1.82	39 - 2.47	40 - 3.21	41 - 4.07
55	38 - 1.90	40 - 2.58	40 - 3.37	41 - 4.25
60	38 - 1.99	40 - 2.70	40 - 3.52	41 - 4.45



AL1023W

80/case

List \$10.90

Wedge Arm

- Full-circle, dual angle, 2 in 1 impact sprinkler
- Use as either 10° or 23° trajectory wedge
- 1/2" male N.P.T. base
- Wide range of brass nozzle
- 3/8-24 UNF nozzle thread

Sprinkler Head Does Not Include Nozzle

- Excellent frost protection sprinkler for both overhead and low angle under tree situations
- Anodized aluminum wedge drive arm
- Composite body is super-strong and impact resistant
- All brass bearing
- Stainless steel fulcrum pin, arm spring, and bearing spring
- Ideal for low precipitation rates
- Built-in vane straightener for improved performance
- Highly efficient water distribution
- Made from domestic and foreign parts

AQUA BURST® Performance Chart

Normal Stream Height At 2.5' Above Nozzle at Normal Pressure

Radius - GPM

PSI	1/16" nozzle	5/64" nozzle	3/32" nozzle	7/64" nozzle
35	30 - 0.69	32 - 1.08	34 - 1.55	37 - 2.02
40	30 - 0.74	33 - 1.14	35 - 1.67	37 - 2.15
45	31 - 0.79	33 - 1.21	36 - 1.72	38 - 2.32
50	31 - 0.83	34 - 1.29	36 - 1.85	38 - 2.47
55	32 - 0.86	35 - 1.33	37 - 1.93	39 - 2.59
60	32 - 0.90	35 - 1.39	37 - 2.00	39 - 2.65

Aqua Burst™ impact sprinklers are only guaranteed to function optimally with nozzle type and sizes from each individual model's performance chart.

All Prices Subject To Change Without Notice

3/4" MULTI-COMPOSITE™ IMPACT SPRINKLER

Raven-Smart™

Effective 1/1/15

3/4" Full-Circle Multi-Composite™ Impact
Precision Channel™ Aluminum Arm

Raven-Smart™ Technology



FIVE-YEAR
LIMITED BEARING
WARRANTY

AL30

Aqua-Burst™ AL30 Multi-Composite™ Sprinklers are designed to outlast and outperform all other 3/4" impact sprinkler brands.

Features

- Full-circle impact - 26° trajectory
- 3/4" male NPT base
- Single (AL30) or dual nozzle (AL30D)

Advantages

- Anodized diecast aluminum drive arm with Precision Channel Spoon™ for smooth Torque-Driven™ operation and reduced splash-down
- Composite body is super-strong and impact resistant
- Highly efficient water distribution at both high and low operating pressures
- All-brass Seal-Lock bearing creates a debris resistant captive seal for long bearing wear
- Bearing spindle with debris journal to slow bearing wear
- Stainless steel fulcrum pin, arm spring and bearing spring for long wearing reliability
- Ideal for wheel line, solid set and frost control
- Works well with either straight bore nozzle or flow-control nozzle with 1/4" npt threads
- Made with domestic and foreign parts
- Preassembled with XC-33 thread sealant

Sprinkler Head Does Not Include Nozzle

AL30
AL30-C (w/chrome bearing)
AL30SP (w/plastic spindle)

60/case

List

\$17.20
\$18.20
\$16.90

AQUA BURST® Performance Chart

Normal Stream Height At 9' Above Nozzle at Normal Pressure

Single Nozzle
Radius - GPM

PSI	1/8" nozzle	9/64" nozzle	5/32" nozzle	11/64" nozzle	3/16" nozzle
30	39 - 2.1	41 - 3.2	42 - 3.9	44 - 4.7	46 - 5.6
35	40 - 2.4	41 - 3.5	44 - 4.3	46 - 5.3	47 - 6.0
40	40 - 2.5	42 - 3.7	44 - 4.6	46 - 5.5	48 - 6.4
45	41 - 2.8	42 - 3.7	45 - 5.1	47 - 5.8	49 - 6.8
50	41 - 3.1	43 - 3.9	46 - 5.1	48 - 6.2	50 - 7.3
55	42 - 3.2	43 - 4.3	46 - 5.4	48 - 6.4	50 - 7.6
60	42 - 3.4	44 - 4.5	47 - 5.6	49 - 6.6	51 - 7.9
65	43 - 3.6	44 - 4.7	47 - 5.8	49 - 6.9	51 - 8.2
70	44 - 3.9	45 - 4.9	48 - 6.0	50 - 7.9	52 - 8.6

Dual Nozzle
Radius - GPM

PSI	1/8" x 3/32" nozzles	9/64" x 3/32" nozzles	5/32" x 3/32" nozzles	11/64" x 3/32" nozzles	3/16" x 1/8" nozzles
30	39 - 3.2	41 - 4.6	43 - 5.4	44 - 6.2	45 - 8.1
35	39 - 3.3	41 - 5.0	43 - 5.8	45 - 6.7	46 - 8.8
40	40 - 3.4	42 - 5.3	44 - 6.2	46 - 7.2	48 - 9.5
45	40 - 3.8	42 - 5.7	45 - 6.5	47 - 7.7	49 - 10.1
50	41 - 4.2	43 - 5.9	45 - 6.9	47 - 8.1	50 - 10.6
55	42 - 4.5	43 - 6.2	46 - 7.3	48 - 8.4	50 - 11.0
60	43 - 4.6	44 - 6.5	46 - 7.6	48 - 8.7	51 - 11.6
65	43 - 4.9	44 - 6.8	47 - 7.9	49 - 9.0	52 - 12.2
70	44 - 5.2	45 - 7.0	47 - 8.2	49 - 9.2	52 - 12.6

3/4" BRASS IMPACT SPRINKLER

3/4" Full-Circle Brass Impact Torque Driven™ Spoon Technology

Effective 1/1/15

Features

- Full-circle impact - 26° trajectory
- 3/4" male NPT base
- Single (HF30) or dual nozzle (HF30D)
- Use PN-3 or DN-3 series nozzles

Advantages

- Cast brass drive arm with I-Beam construction and Torque-Driven™ spoon technology with improved balance, rotation speed and durability
- Cast brass body with triple bridge construction and cored water passage
- Seal-Lock bearing creates a captive seal
- Spindle with debris journal to slow bearing wear
- Stainless steel fulcrum pin, arm spring, and bearing spring for long wearing reliability
- Ideal for hand line, wheel line, solid set, and a wide-range of other applications
- Made with domestic and foreign parts
- **Preassembled with XC-33 thread sealant**

Sprinkler Head Does Not Include Nozzle



FIVE-YEAR
LIMITED BEARING
WARRANTY

HF30

HF30	(single)
HF30-C	(single w/chrome bearing)
HF30D	(dual)
HF30D-C	(dual w/chrome bearing)

60/case

List

\$ 20.80
\$ 21.30
\$ 22.00
\$ 22.50

AQUA BURST® Performance Chart

Normal Stream Height At 9' Above Nozzle at Normal Pressure

Single Nozzle
Radius - GPM

Dual Nozzle
Radius - GPM

PSI	1/8" nozzle	9/64" nozzle	5/32" nozzle	11/64" nozzle	3/16" nozzle
30	39 - 2.2	41 - 3.0	42 - 3.8	44 - 4.6	45 - 5.5
35	40 - 2.4	41 - 3.3	43 - 4.1	45 - 5.1	46 - 5.9
40	40 - 2.6	42 - 3.5	44 - 4.5	46 - 5.3	47 - 6.4
45	41 - 2.9	42 - 3.7	44 - 4.7	46 - 5.7	48 - 6.7
50	42 - 3.1	43 - 4.0	45 - 4.9	47 - 6.1	48 - 7.2
55	42 - 3.3	43 - 4.3	45 - 5.1	48 - 6.4	49 - 7.5
60	43 - 3.5	44 - 4.5	46 - 5.4	49 - 6.7	49 - 7.8
65	43 - 3.7	44 - 4.7	46 - 5.7	49 - 7.0	50 - 8.1
70	44 - 3.9	45 - 4.8	47 - 5.9	50 - 7.2	51 - 8.4

PSI	1/8"x3/32" nozzles	9/64"x3/32" nozzles	5/32"x3/32" nozzles	11/64"x3/32" nozzles	3/16"x3/32" nozzles
30	39 - 3.8	41 - 4.4	43 - 5.3	44 - 6.0	44 - 7.0
35	40 - 4.1	41 - 4.8	44 - 4.7	45 - 6.4	46 - 7.4
40	41 - 4.4	42 - 5.2	44 - 6.1	45 - 7.0	47 - 8.0
45	41 - 4.6	42 - 5.5	45 - 6.5	46 - 7.5	48 - 8.8
50	42 - 4.9	43 - 5.8	45 - 6.8	47 - 7.9	49 - 9.1
55	42 - 5.2	43 - 6.1	46 - 7.1	48 - 8.3	50 - 9.5
60	43 - 5.4	44 - 6.3	46 - 7.4	48 - 8.7	51 - 9.8
65	43 - 5.7	44 - 6.6	47 - 7.8	48 - 9.0	51 - 10.3
70	43 - 5.9	45 - 6.9	47 - 8.1	49 - 9.4	52 - 10.6

Aqua Burst® impact sprinklers are only guaranteed to function optimally with nozzle type and sizes from each individual model's performance chart.

All Prices Subject To Change Without Notice

3/4" BRASS/ALUMINUM IMPACT SPRINKLER

Effective 1/1/15

Precision Channel™ Aluminum Arm



**FIVE-YEAR
LIMITED BEARING
WARRANTY**

HF30AL

Features

- Full-circle impact - 26° trajectory
- 3/4" male NPT base
- Single nozzle
- Use PN-3 or DN-3 series nozzles

Advantages

- Anodized diecast aluminum drive arm with Precision Channel Spoon™ for smooth Torque-Driven™ operation and reduced splash-down
- Cast brass body with triple bridge construction and cored water passage
- Spindle with debris journal to slow bearing wear
- Seal-Lock bearing creates a captive seal
- Stainless steel fulcrum pin, arm spring, and bearing spring for long wearing reliability
- Suitable for portable, solid-set and row-crop, frost protection and mechanical move systems
- Made with domestic and foreign parts
- **Preassembled with XC-33 thread sealant**

Sprinkler Head Does Not Include Nozzle

HF30AL (single)
HF30AL-C (single w/chrome bearing)

60/case

List

\$20.80
\$21.30

AQUA BURST® Performance Chart

Normal Stream Height At 9' Above Nozzle at Normal Pressure

Radius - GPM

PST	1/8" nozzle	9/64" nozzle	5/32" nozzle	11/64" nozzle	3/16" nozzle
30	39 - 2.2	41 - 3.0	42 - 3.8	44 - 4.6	45 - 5.5
35	40 - 2.4	41 - 3.3	43 - 4.1	45 - 5.1	45 - 5.9
40	40 - 2.6	42 - 3.5	44 - 4.5	46 - 5.3	46 - 6.4
45	41 - 2.9	42 - 3.7	44 - 4.7	46 - 5.7	47 - 6.7
50	41 - 3.1	43 - 4.0	45 - 4.9	47 - 6.1	48 - 7.2
55	42 - 3.3	43 - 4.3	45 - 5.1	48 - 6.4	49 - 7.5
60	42 - 3.5	44 - 4.5	46 - 5.4	49 - 6.7	49 - 7.8
65	43 - 3.7	44 - 4.7	46 - 5.7	49 - 7.0	50 - 8.1
70	44 - 3.9	45 - 4.8	47 - 5.9	50 - 7.2	51 - 8.4

3/4" BRASS IMPACT SPRINKLERS

X SERIES BRASS - MADE TO LAST™

Effective 1/1/15

3/4" Adjustable Brass Impact Sprinkler



**TWO-YEAR
WARRANTY**

Features

- Full- or part-circle impact - 25° trajectory
- 3/4" male NPT base
- Single nozzle
- Use PN-3 or DN-3 series nozzles

Advantages

- Cast brass drive arm with triple bridge construction
- Super Heavy Duty all brass trip assembly
- Cast brass body with cored water passage
- Stainless steel fulcrum pin, arm spring and bearing spring for long wearing reliability
- An all-purpose, single nozzle, full or part circle, intermediate to high pressure sprinkler
- Perfect companion for all intermediate sprinklers where arc of coverage must be adjustable
- Easy to use diffuser pin for precise application
- Works well with either straight bore or flow control nozzle
- Made with domestic and foreign parts
- **Preassembled with XC-33 thread sealant**

Sprinkler Head Does Not Include Nozzle

X35ED

X35ED

20/case

List **\$43.00**

AQUA BURST® Performance Chart

Normal Stream Height At 9' Above Nozzle at Normal Pressure

Radius - GPM

PSI	9/84" nozzle	5/32" nozzle	11/64" nozzle	3/16" nozzle
30	40 - 3.20	41 - 3.83	42 - 4.59	43 - 5.35
35	41 - 3.45	42 - 4.28	43 - 4.99	44 - 5.91
40	42 - 3.66	42 - 4.57	43 - 5.26	44 - 6.44
45	43 - 3.90	43 - 4.84	44 - 5.58	45 - 6.74
50	44 - 4.07	44 - 5.21	45 - 5.94	46 - 7.03
55	45 - 4.30	46 - 5.40	47 - 6.21	47 - 7.41
60	45 - 4.48	46 - 4.73	47 - 6.50	48 - 7.72

Aqua Burst® impact sprinklers are only guaranteed to function optimally with nozzle type and sizes from each individual model's performance chart.

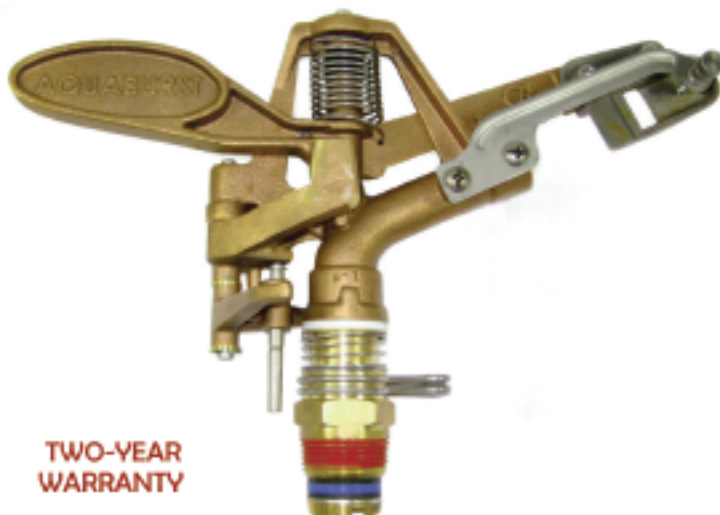
All Prices Subject To Change Without Notice

1" BRASS IMPACT SPRINKLERS

X SERIES BRASS - MADE TO LAST[®]

Effective 1/1/15

1" Adjustable Brass Impact Sprinkler



**TWO-YEAR
WARRANTY**

Features

- Full- or part-circle impact - 24° trajectory
- 1" male NPT base
- Single nozzle
- Use DN-4 series nozzles

Advantages

- Features replaceable stainless steel spoon
- Chrome bearing standard
- Adjustable arc from 20° to 340° or full-circle coverage
- Solid brass construction
- Stainless steel fulcrum pin, arm spring, and bearing spring for long wearing reliability
- Easy to use diffuser pin for precise application
- Ideal for pasture, turf, waste water treatment, auxiliary pivot end gun, and other large scale applications where adjustable coverage is necessary
- Made with domestic and foreign parts
- Preassembled with XC-33 thread sealant

Sprinkler Head Does Not Include Nozzle

X65ED-S

X65ED-S (Adjustable)
X65F-S

sold
individually

List
\$ 152.00
\$ 126.00

AQUA BURST[®] Performance Chart

Normal Stream Height At 9' Above Nozzle at Normal Pressure

Single Nozzle
Radius - GPM

PSI	7/32" nozzle	1/4" nozzle	9/32" nozzle	5/16" nozzle	21/64" nozzle	11/32" nozzle	23/64" nozzle	3/8" nozzle
30	50 - 7.5	53 - 10.1	57 - 12.3	58 - 15.4	60 - 16.6	61 - 18.2	62 - 19.5	63 - 21.1
35	52 - 8.1	54 - 10.8	58 - 13.5	59 - 16.5	61 - 17.9	62 - 19.5	64 - 21.2	64 - 22.7
40	54 - 8.7	56 - 11.5	61 - 14.5	62 - 17.8	64 - 19.3	65 - 21.3	65 - 22.8	68 - 24.5
45	56 - 9.2	58 - 12.2	63 - 15.2	64 - 18.8	66 - 20.4	67 - 22.2	67 - 24.0	71 - 25.9
50	59 - 9.9	61 - 12.9	64 - 16.0	67 - 19.9	68 - 21.4	69 - 23.4	69 - 25.3	72 - 27.2
55	61 - 10.2	63 - 13.4	66 - 16.9	69 - 20.8	71 - 22.5	72 - 24.5	72 - 26.4	74 - 28.4
60	62 - 10.7	65 - 14.2	67 - 17.6	71 - 21.9	72 - 23.4	73 - 25.6	74 - 27.8	76 - 29.5
65	64 - 11.2	66 - 14.8	69 - 18.4	73 - 22.8	74 - 24.3	75 - 26.5	76 - 28.7	79 - 30.8
70	65 - 11.8	67 - 15.4	70 - 19.2	74 - 23.7	76 - 25.4	77 - 27.7	79 - 29.9	81 - 32.1

1 1/4" BRASS IMPACT SPRINKLERS

X SERIES BRASS - MADE TO LAST

Effective 1/1/15



X85ED18

Features

- ◆ Full- or part-circle impact
- ◆ 18° or 24° trajectory
- ◆ 1 1/4" male N.P.T. base
- ◆ Use DN-5 series nozzles

Advantages

- Chrome bearing standard
- Heavy-duty stainless steel and brass construction
- Easy to use adjustable locking brass trip collars
- Internal vane straightener standard
- Removable stainless steel spoon standard
- Ideal for pasture, waste water treatment, pivot end gun, and other large scale applications where adjustable coverage is necessary
- Made with domestic and foreign part
- Preassembled with XC-33 thread sealant

Sprinkler Head Does Not Include Nozzle

**TWO-YEAR
WARRANTY**

X85ED18

X85ED24

X85F24 (full circle)

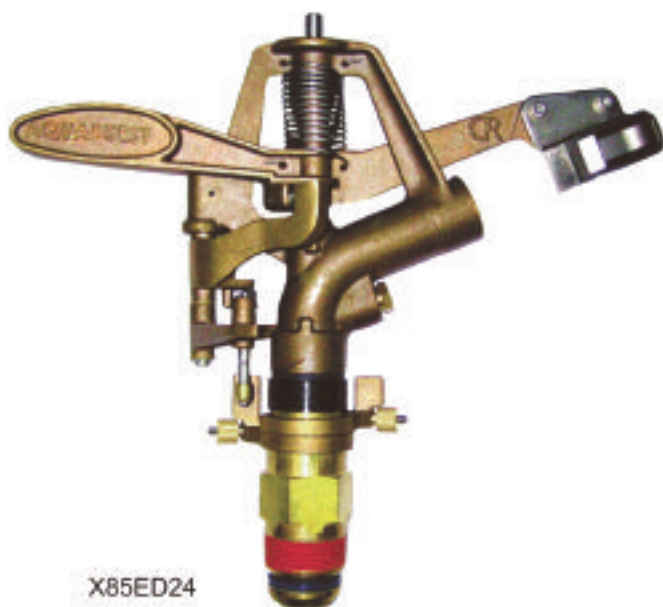
sold individually

List

\$268.00

\$268.00

\$245.00



X85ED24

X85ED24 Dual Nozzle AQUA BURST® Performance Chart

Normal Stream Height At 34" Above Nozzle at Normal Pressure

Single Straight Bore Nozzle w/Spreader
Radius - GPM

PSI	11/32" x 7'00"	3/8" x 7'00"	13/32" x 7'00"	7/16" x 7'00"	15/32" x 7'00"
30	63 - 24.9	64 - 28.5	67 - 31.7	68 - 35.4	71 - 39.4
35	66 - 27.1	67 - 30.7	70 - 34.5	72 - 38.5	75 - 42.5
40	68 - 29.8	69 - 32.0	73 - 37.0	76 - 41.3	78 - 45.7
45	70 - 22.1	72 - 34.9	76 - 39.4	78 - 43.9	81 - 48.6
50	72 - 23.3	73 - 37.2	78 - 41.6	80 - 46.2	83 - 51.4
55	74 - 24.2	76 - 38.5	80 - 42.8	82 - 48.6	85 - 54.1
60	76 - 25.0	78 - 40.8	82 - 46.1	85 - 51.0	87 - 56.6
65	77 - 26.2	80 - 42.7	84 - 48.0	87 - 53.3	88 - 59.3
70	80 - 27.2	82 - 44.5	85 - 49.9	89 - 55.2	90 - 61.5
75	81 - 27.9	84 - 46.0	87 - 51.7	90 - 57.3	92 - 63.7
80	83 - 29.1	85 - 47.6	88 - 53.9	91 - 59.4	94 - 66.1

Additional Performance Charts on pg 13

Aqua Burst® impact sprinklers are only guaranteed to function optimally with nozzle type and sizes from each individual model's performance chart.

All Prices Subject To Change Without Notice

1 1/4" BRASS IMPACT SPRINKLERS

X SERIES BRASS - MADE TO LAST®

Effective 1/1/15

AQUA BURST® Performance Charts

Normal Stream Height At 14' Above Nozzle at Normal Pressure
Single Straight Bore Nozzle

X85ED18

Radius - GPM

PSI	11/32" nozzle	3/8" nozzle	13/32" nozzle	7/16" nozzle	15/32" nozzle	1/2" nozzle	17/32" nozzle	9/16" nozzle	5/8" nozzle	11/16" nozzle
30	56 - 18.2	58 - 21.6	61 - 24.3	63 - 26.6	65 - 32.0	66 - 36.5	65 - 40.1	66 - 45.7	66 - 55.7	67 - 66.9
35	59 - 19.8	61 - 23.5	64 - 26.5	66 - 30.9	69 - 34.1	69 - 39.3	72 - 43.3	72 - 49.3	72 - 59.8	73 - 72.2
40	61 - 21.1	63 - 24.9	66 - 28.3	69 - 33.2	71 - 37.3	73 - 41.1	75 - 46.4	77 - 52.8	77 - 64.0	78 - 77.8
45	63 - 22.6	66 - 26.6	69 - 30.4	71 - 34.6	73 - 39.7	75 - 43.7	78 - 49.3	79 - 56.6	83 - 69.9	83 - 83.0
50	66 - 23.8	68 - 27.5	71 - 32.6	73 - 36.9	76 - 42.2	78 - 47.0	80 - 51.5	82 - 59.7	85 - 71.8	86 - 87.3
55	68 - 24.9	70 - 29.3	73 - 33.8	75 - 38.8	78 - 44.4	80 - 49.1	82 - 54.1	85 - 62.6	89 - 76.1	91 - 91.9
60	70 - 25.6	72 - 30.1	75 - 34.9	77 - 41.0	80 - 46.6	82 - 51.9	85 - 57.4	87 - 65.3	91 - 79.0	94 - 96.4
65	72 - 26.7	74 - 31.3	77 - 36.2	79 - 42.8	81 - 48.3	84 - 54.0	87 - 60.2	89 - 67.8	93 - 83.2	96 - 100.9
70	73 - 27.6	75 - 32.5	78 - 37.6	81 - 44.6	83 - 50.5	86 - 56.2	89 - 62.3	91 - 71.3	95 - 86.4	98 - 104.8
75	74 - 28.8	77 - 33.6	80 - 38.9	83 - 45.9	85 - 52.2	87 - 58.4	90 - 64.5	93 - 73.9	97 - 88.8	100 - 108.1
80	76 - 29.7	79 - 34.6	81 - 41.2	84 - 47.6	87 - 54.8	89 - 60.2	92 - 66.9	95 - 76.8	98 - 93.0	101 - 112.2

AQUA BURST® Performance Charts

Normal Stream Height At 14' Above Nozzle at Normal Pressure
Single Straight Bore Nozzle

X85ED24

Radius - GPM

PSI	11/32" nozzle	3/8" nozzle	13/32" nozzle	7/16" nozzle	15/32" nozzle	1/2" nozzle	17/32" nozzle	9/16" nozzle	5/8" nozzle	11/16" nozzle
30	63 - 18.0	64 - 21.7	67 - 24.1	68 - 28.4	71 - 32.2	71 - 36.2	72 - 39.9	72 - 45.2	72 - 55.5	73 - 67.2
35	65 - 19.5	67 - 23.3	70 - 26.6	72 - 30.7	75 - 34.5	77 - 39.0	78 - 43.1	78 - 49.3	78 - 60.2	78 - 72.3
40	68 - 20.8	69 - 24.8	73 - 28.2	76 - 33.0	78 - 37.4	81 - 41.4	82 - 46.3	84 - 52.6	85 - 64.4	86 - 78.3
45	70 - 22.1	72 - 26.4	76 - 30.6	78 - 34.8	81 - 39.6	83 - 44.1	86 - 49.0	88 - 56.0	91 - 69.1	92 - 83.3
50	72 - 23.3	73 - 27.6	78 - 32.4	80 - 37.2	83 - 42.0	86 - 47.2	88 - 51.2	91 - 59.3	93 - 72.4	96 - 87.5
55	74 - 24.2	76 - 29.2	80 - 32.0	82 - 38.9	85 - 44.3	88 - 49.4	90 - 54.3	94 - 62.1	97 - 76.5	98 - 92.7
60	76 - 25.0	78 - 30.0	82 - 34.5	85 - 40.8	87 - 46.5	90 - 52.1	93 - 57.6	95 - 64.4	100 - 79.4	101 - 96.8
65	77 - 26.2	80 - 31.2	84 - 36.1	87 - 42.6	88 - 48.4	92 - 54.2	94 - 60.3	98 - 66.0	101 - 83.5	104 - 101.3
70	80 - 27.2	82 - 32.6	85 - 38.0	89 - 44.0	90 - 50.3	94 - 56.4	96 - 62.1	100 - 71.5	102 - 87.1	106 - 105.4
75	81 - 27.9	84 - 33.5	87 - 39.1	90 - 45.5	92 - 52.0	95 - 58.5	98 - 64.7	101 - 73.3	104 - 89.9	108 - 108.8
80	83 - 29.1	85 - 34.8	88 - 41.0	91 - 47.6	94 - 54.2	96 - 60.3	100 - 67.3	103 - 76.2	106 - 93.5	109 - 112.4

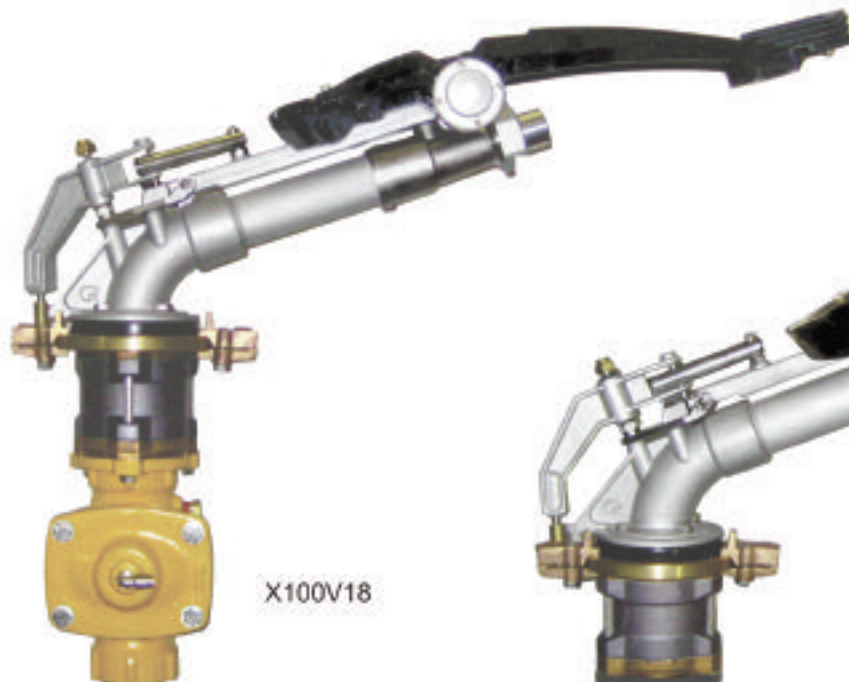
END GUNS

Effective 1/1/15

5-Year Warranty

X100 End Gun™

Raven-Smart™
Technology



X100V18



X10024

2" Seal Matic® Valve Combo

No electric solenoid required for End Gun®
control when used with booster pump

Seal Matic® X100 Pivot End Gun Valves
are Interchangeable and Adaptable to Both
Aqua Burst® X100 and Nelson® SR100 and SR75 Guns

Features

- 30 - 300 gpm, 40 - 100 psi
- 18° trajectory
- 24° trajectory
- 43° trajectory
- Full and part circle

Advantages

- Powder-coated aluminum drive arm
- Stainless steel arm bearing
- Stainless steel nozzle mount
- Fully adjustable shift box
- Slow forward and reverse speeds
- Solid brass reversing stop
- Taper nozzles

End Gun Does Not Include Nozzle

X100-18

X100-24

X100-43

X100V-18

X100V-24

X100V-43

sold individually

List

\$770.00

\$770.00

\$770.00

\$912.00

\$912.00

\$912.00

Warranty and Disclaimer

XCAD USA® Aqua Burst® X100 End Gun® sprinklers are warranted for one year from date of original sale to be free of defective materials and workmanship when used within the working specifications for which the product was designed and intended and under normal use and service. This warranty includes an additional four (4) year service plan for repair of any non-functioning X100 End Gun® due to defective materials and workmanship or excessive wear when used in normal working conditions. This manufacturer's liability under this warranty is limited solely to repair of defective parts and labor and the manufacturer will not be liable for any freight, cargo loss or other consequential damages resulting from defects, excessive wear or breach of warranty. This warranty is expressly in lieu of all other warranties, express or implied, including the warranties of merchantability and/or fitness of the manufacturer. No agent, employee or representative of the manufacturer has the authority to waive, alter or add to the provisions of this warranty, nor make any representations or warranty not contained herein. XCAD USA® Aqua Burst® reserves the right to define this warranty or any other warranty as USA® Aqua Burst® deems fit.

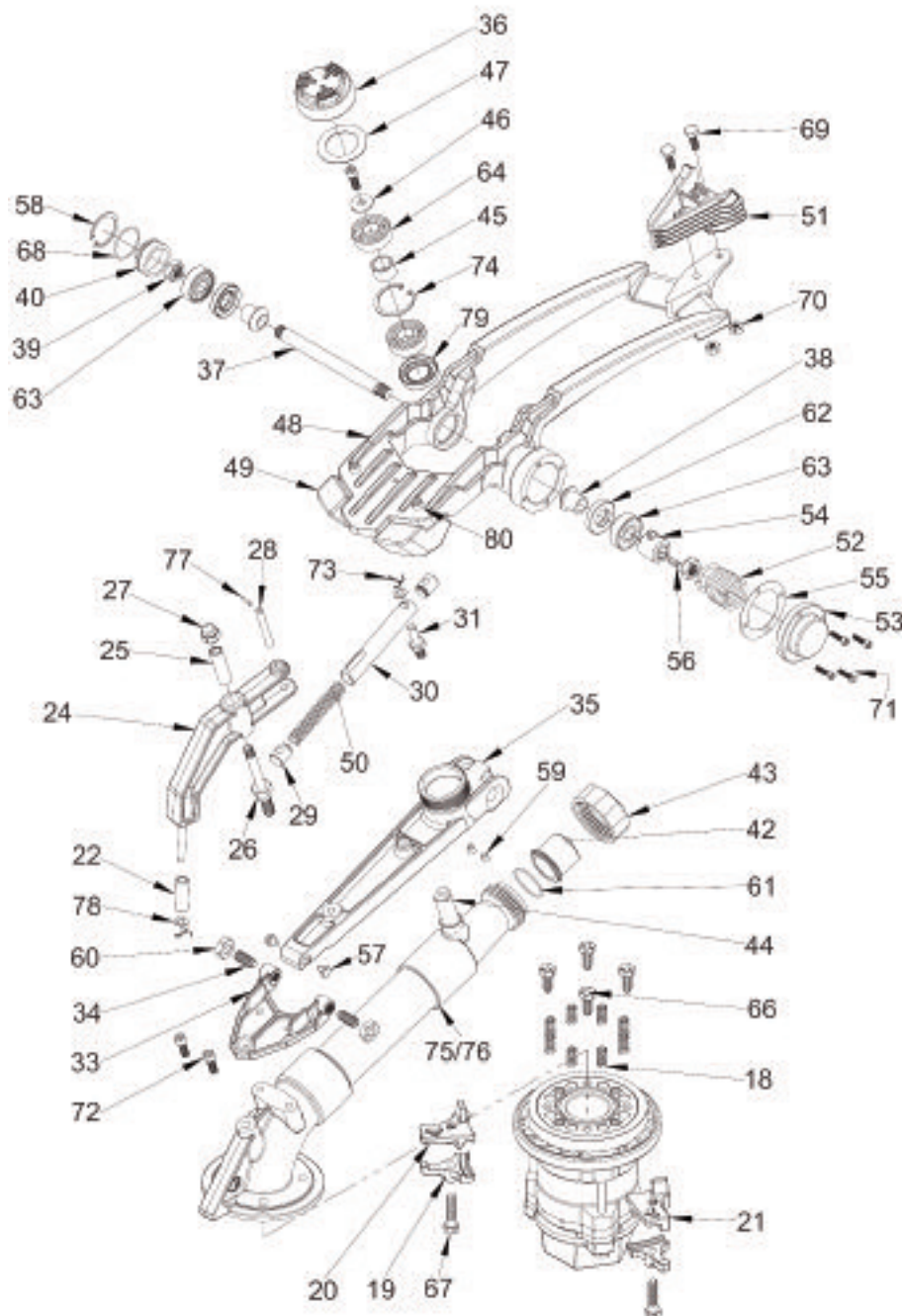
Aqua Burst impact sprinklers are only guaranteed to function optimally with nozzle type and sizes from each individual model's performance chart.

All Prices Subject To Change Without Notice

END GUN REPLACEMENT PARTS

Effective 1/1/15

X100 End Gun Parts

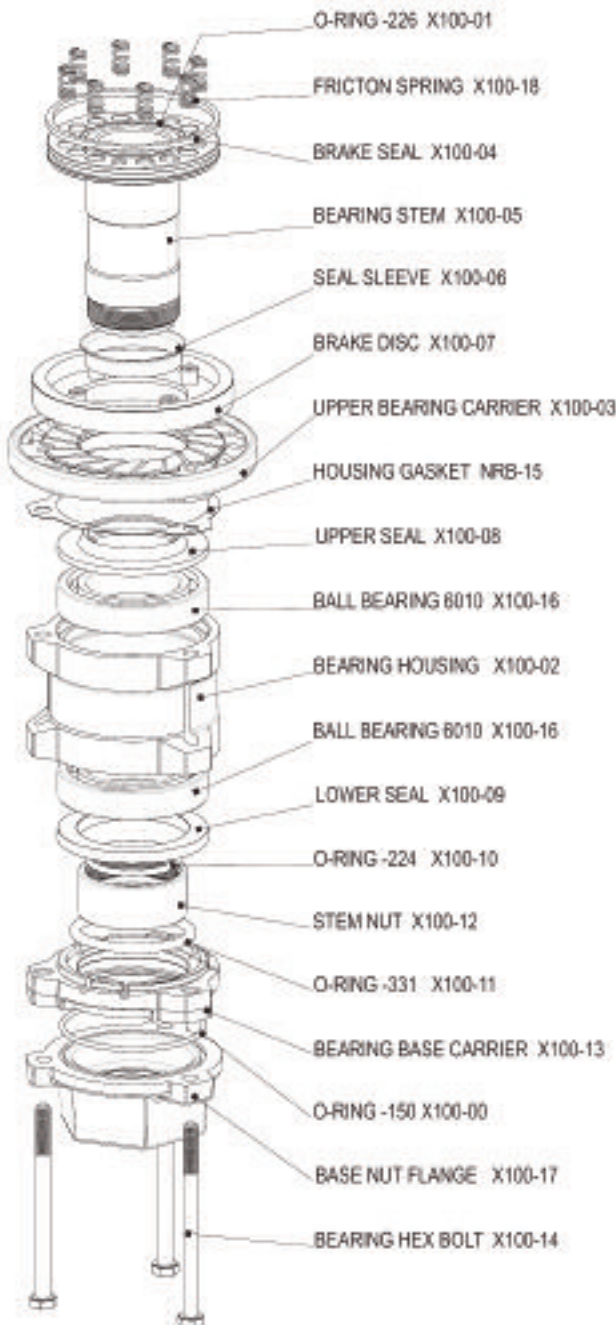


		List
X100-18	Friction Spring	\$ 1.80
X100-19	Reverse Stop, Bottom	\$ 8.20
X100-20	Reverse Stop, Left	\$ 12.80
X100-21	Reverse Stop, Right	\$ 12.80
X100-22	Swing Arm Bushing	\$ 3.40
X100-24	Reverse Swing Arm	\$ 14.80
X100-25	Swing Arm Top Bushing	\$ 4.50
X100-26	Reverse Arm Stub	\$ 13.90
X100-27	Brass Stud Nut	\$ 3.40
X100-28	Swing Arm Top Pin	\$ 1.70
X100-29	Trip Spring Follower	\$ 1.20
X100-30	Spring Guide Pipe	\$ 3.40
X100-31	Shift Arm Stud	\$ 4.40
X100-33	Shift Box, SS	\$ 20.80
X100-34	Shift Box Set Screw	\$ 1.80
X100-35	Shift Arm	\$ 41.80
X100-36	Bearing Boss Cover	\$ 4.60
X100-37	Arm Shaft, SS	\$ 12.80
X100-38	Arm Locking Sleeve	\$ 4.70
X100-39	Arm Nut, SS	\$ 2.60
X100-40	Arm Bearing Cap	\$ 4.80
X100-42	X100 Straight Bore Nozzle	\$ 15.50
X100-43	Nozzle Retainer Nut	\$ 22.40
X100-44	Arm Mount Stud, SS	\$ 12.50
X100-45	Bearing Spacer	\$ 4.20
X100-46	Bearing Washer	\$ 1.20
X100-47	Arm Bearing Cap Gasket	\$ 1.20
X100-48	X-100 Arm	\$113.80
X100-49	Arm Weight	\$ 24.60
X100-50	Trip Spring, SS	\$ 2.80
X100-51	Drive Vane	\$ 12.80
X100-52	Arm Spring, SS	\$ 3.90
X100-53	Arm Spring Cover	\$ 6.80
X100-54	Spring Pawl, SS	\$ 4.00
X100-55	Spring Cover Gasket	\$ 1.00
X100-56	Pawl Key	\$ 1.00
X100-57	Impact Button	\$ 2.00
X100-58	Snap Ring	\$ 4.90
X100-59	Dog Head Screw, SS	\$ 1.10
X100-60	Jam Nut, SS	\$ 0.60
X100-61	.025 Nozzle O-ring	\$ 0.20
X100-62	Arm Seal Bearing	\$ 7.20
X100-63	Arm Bearing 6201, SS	\$ 4.20
X100-64	Shift Arm Bearing 6203, SS	\$ 4.20
X100-65	Shift Arm Seal	\$ 7.50
X100-66	Bolt 5/16-18 x 3/4, SS	\$ 1.20
X100-67	Bolt 5/16-18 x 1 1/4, SS	\$ 1.70
X100-68	.024 Bearing Cap O-Ring	\$ 0.20
X100-69	Bolt 1/4 X 3/4, SS	\$ 0.50
X100-70	Nut 1/4, SS	\$ 0.30
X100-71	Cap Screw #8 x 5/8, SS	\$ 0.20
X100-72	Cap Screw 1/4 x 3/4, SS	\$ 0.60
X100-73	Cotter Pin	\$ 0.20
X100-74	Snap Ring, SS	\$ 3.60
X100-75	X100 15" Elbow Body	\$260.00
X100-76	X100 24" Elbow Body	\$260.00
X100-77	Roll Pin	\$ 0.20
X100-78	Brass Washer	\$ 1.20
X100-79	Seal	\$ 7.50
X100-80	Hex Screw, SS	\$ 0.60

AFTERMARKET REPLACEMENT PARTS

Effective 1/1/15

X-100 Replacement Bearing Parts



		List
X100-00	Base Nut O-ring -150	\$ 0.50
X100-01	O-ring -226	\$ 0.50
X100-02	Bearing Housing	\$48.00
X100-03	Upper Bearing Carrier	\$71.00
X100-04	Brake Seal	\$ 2.00
X100-05	Bearing Stem	\$46.00
X100-06	Seal Sleeve	\$ 6.00
X100-07	Brake Disc	\$24.00
X100-08	Upper Seal	\$ 7.50
X100-09	Lower Seal	\$ 7.50
X100-10	O-ring -224	\$ 0.40
X100-11	O-ring -331	\$ 0.80
X100-12	Stem Nut	\$44.00
X100-13	Bearing Base Carrier	\$75.00
X100-14	Bearing Hex Bolt (3 Pcs)	\$ 3.30
X100-15	Housing Gasket	\$ 1.50
X100-16	Ball Bearing 6010	\$ 8.40
X100-17	Base Nut Flange	\$32.00
X100-18	Friction Spring	\$ 1.80

X100 Reverse Stop Sets

(Includes both left and right stops)



		List
X100-RSS	Reverse Stop Set	\$31.20

Warranty and Disclaimer

KCAD USA ("KCAD") warrants its "X-100 End Gun" sprinklers to be free of defective materials and workmanship when used within the working specifications for which the product was designed and intended and under normal use and service. This warranty includes an additional four (4) year service plan for repair of any non-functioning "X-100 End Gun" due to defective materials and workmanship or excessive wear when used in normal working conditions. The manufacturer's liability under this warranty is limited solely to repair of defective parts and labor and the manufacturer will not be liable for any freight, crop loss or other consequential damages resulting from defects, excessive wear or breach of warranty. This warranty is expressly in lieu of all other warranties, express or implied, including the warranties of merchantability and/or fitness for a particular purpose. No agent, employee or representative of the manufacturer has the authority to waive, alter or add to the provisions of this warranty, nor make any representations or warranties not contained herein. KCAD USA ("KCAD") reserves the right to define this warranty or any other warranty as USA ("KCAD") deems fit.

AFTERMARKET REPLACEMENT PARTS

Effective 1/1/15

N100-RA Complete Replacement Arm

(Includes 2 - 6201 Stainless Steel Ball Bearings)



List

\$122.00

N100-RA

Replacement Arm

Features

- High performance aftermarket arm for SR100
- Heavy-duty aluminum design
- Fully epoxy coated
- Preassembled with stainless steel bearings

X-100 Complete Replacement Bearing



List

\$276.00

X100BA

Complete Bearing Assembly

X100BASS

Heavy-Duty Bearing Assembly
with stainless steel bearings

\$316.00

X-100 Bearing Rebuild Kit

Contains:

- 1 - X100-00, O-ring -150
- 1 - X100-01, O-ring -226
- 1 - X100-04, Brake Seal
- 1 - X100-07, Brake Disc
- 1 - X100-08, Upper Seal
- 1 - X100-09, Lower Seal
- 1 - X100-10, O-ring -224
- 1 - X100-11, O-ring -331
- 2 - X100-15, Housing Gasket
- 2 - X100-16, Ball Bearing 6010

X100-RK

per kit

List

\$ 52.80

X100 Replacement Bearings



List

X100-16S	6010 Stainless Steel Ball Bearing	\$ 42.20
X100-16	6010 Ball Bearing	\$ 12.40
X100-62	Stainless Steel Arm Seal (Not Shown)	\$ 7.20
X100-63	6201 Stainless Steel Arm Bearing	\$ 4.20
X100-64	6203 Stainless Steel Shift Lever Bearing	\$ 4.20
BRG-608SS	608 Stainless Steel Trip Lever Bearing	\$ 6.40

Features

- High performance aftermarket replacement parts
- Heavy-duty powder coated replacement arm with stainless steel bearings
- Complete aftermarket replacement bearings
- Complete bearing assembly rebuild kits
- Fully anodized bearing housing and bearing stem

Warranty and Disclaimer

Aqua Burst™ NTX-100 high-performance aftermarket parts are warranted for one year from date of original sale to be free of defective materials and workmanship when used within the working specifications for which the product was designed and under normal use and service. These high-performance aftermarket parts are intended for use as a replacement part for Nelson® Large Area sprinkler with 2" inlets. There is no guarantee that NTX-100 high-performance aftermarket parts will fit or interchange with all or any Nelson® models. The manufacturer assumes no responsibility for installation and is limited solely to replacement or repair of defective parts and the manufacturer will not be liable for any crop loss or other consequential damage resulting from defects or breach of warranty. This warranty is expressly in lieu of all other warranties, express or implied, including the warranties of merchantability and fitness for particular purposes and of all other obligations or liabilities of manufacturer. No agent, employee or representative of the manufacturer has authority to waive, alter or add to the provision of the warranty, nor to make any representations or warranty not contained herein.

IMPACT SPRINKLER NOZZLES

Better Water Distribution Without Plugging

- ◆ Use where high performance and distribution is needed
- ◆ Color coded for easy identification
- ◆ Built-in no-clog vane straightener for maximum reach
- ◆ Made with high quality wear resistant plastic
- ◆ Hand-tight fit for easy in and out installation
- ◆ Fits 3/4" Aqua Burst™, Rain Bird™, and Nelson™ (hand tighten only)

Not for use with Non-Coined Sprinkler such as Wade Rain™, Weather-Tec™ or V-Rain™ brand Impact Sprinklers

Advanced Flow Nozzles Effective 1/1/15

w/Built-In No-Clog Vane Straightener

1/4" NPT Straight-Bore Nozzle

PN-3-08	1/8"	Purple
PN-3-09	9/64"	Grey
PN-3-10	5/32"	Blue
PN-3-11	11/64"	Yellow
PN-3-12	3/16"	Red

List

\$ 0.50



Brass 1/8" Straight-Bore Nozzle

Fits 1/2" Impact Sprinkler

Or Second Nozzle on 3/4" Dual Impact Sprinkler

Fits Rain Bird™ and Nelson™



DN-1-05	5/64"
DN-1-06	3/32"
DN-1-07	7/64"
DN-1-08	1/8"
DN-1-09	9/64"
DN-1-10	5/32"

List

\$ 0.70

Brass 1/8" NPT Straight-Bore Nozzle

Fits 1/2" Impact Sprinkler

Or Second Nozzle on 3/4" Dual Impact Sprinkler

1/8" NPT thread fits Weather-Tec™ and Storm™



WN-1-05	5/64"
WN-1-06	3/32"
WN-1-07	7/64"
WN-1-08	1/8"
WN-1-09	9/64"
WN-1-10	5/32"

List

\$ 0.70

Brass 1/4" NPT Straight-Bore Nozzle

Fits 3/4" Impact Sprinkler

1/4" NPT thread fits most 3/4" base brass impact sprinklers



DN-3-07	7/64"
DN-3-08	1/8"
DN-3-09	9/64"
DN-3-10	5/32"
DN-3-11	11/64"
DN-3-12	3/16"
DN-3-13	13/64"
DN-3-14	7/32"
DN-3-16	1/4"

List

\$ 1.00

Brass Straight-Bore Nozzle

Fits 1" Impact Sprinkler

Fits most 1" base brass impact sprinklers



DN-4-14	7/32"
DN-4-16	1/4"
DN-4-18	9/32"
DN-4-20	5/16"
DN-4-22	11/32"
DN-4-24	3/8"
DN-4-26	13/32"

List

\$ 3.20

Brass Straight-Bore Nozzle

Fits 1 1/4" Impact Sprinkler

Fits AquaBurst™, Nelson™ and RainBird™



DN-5-22	11/32"
DN-5-24	3/8"
DN-5-26	13/32"
DN-5-28	7/16"
DN-5-30	15/32"

DN-5-32	1/2"
DN-5-34	17/32"
DN-5-36	9/16"
DN-5-40	5/8"
DN-5-44	11/16"

List

\$ 9.20

IMPACT SPRINKLER NOZZLES/REPLACEMENT PARTS

SR100 Replacement Nozzle



NOZSR100-.4
NOZSR100-.45
NOZSR100-.5
NOZSR100-.55
NOZSR100-.6
NOZSR100-.65
NOZSR100-.7
NOZSR100-.75
NOZSR100-.8
NOZSR100-.85
NOZSR100-.9
NOZSR100-.95
NOZSR100-1

List
\$ 28.00

X100 Nozzle

Effective 1/1/15

Also fits Nelson® 75 size sprinklers.



X100-42-.4
X100-42-.45
X100-42-.5
X100-42-.55
X100-42-.6
X100-42-.65
X100-42-.7
X100-42-.75
X100-42-.8
X100-42-.85
X100-42-.9
X100-42-.95
X100-42-1

List
\$ 15.50

Plug Nozzle



WP-1 1/8" NPT
RP-3 1/4" NPT
PP-1 1/8" NPT
PP-4 1/4" NPT

List
\$ 0.70
\$ 0.90
\$ 0.50
\$ 0.60

RP-1 Call for price and availability

Brass Spreader Nozzle

1/8" NPT thread fits Aqua Burst®,
Weathertec® and Storm®



DN-3SS-06 3/32" 7°
DN-3SS-08 1/8" 7°

List
\$ 0.80



Features

- ◆ All stainless steel construction
- ◆ EZ grip handles
- ◆ 3/4" fits nozzles with 3/8", 7/16", 1/2" and 3/4" hex heads
- ◆ 3/4" fits 3/4" and 13/16" spark plugs
- ◆ 1/2" fits nozzles with 3/8" and 7/16" hex heads
- ◆ Stainless steel nozzle plug wire

AQUA BURST® Nozzle Multi-Tool

BCT 3/4"
BCT-50 1/2"

List
\$ 27.40
\$ 27.40

Sprinkler Bearing Assembly

Bearing Assembly includes spindle, housing, spring and washers



HF30BRNG



HF20BRNG

AL30BRNG
Fits Aqua Burst® 3/4" AL30 Series Impact Sprinklers

HF30BRNG
Fits Aqua Burst®, Nelson® and Rain Bird® 3/4" Full Circle Impact Sprinklers

HF20BRNG
Fits Aqua Burst®, Nelson® and Rain Bird® 1/2" Full Circle Impact Sprinklers

X35BRNG
Fits Aqua Burst® X35ED Impact Sprinklers

X65BRNG (Chrome Plated Spindle).
Fits Aqua Burst® and Rain Bird® 1" Full Circle Impact Sprinklers

X85BRNG (Chrome Plated Spindle)
Fits Aqua Burst® and Rain Bird® 1 1/4" Full Circle Impact Sprinklers

List
\$ 9.30
\$ 8.80
\$ 7.80
\$ 21.50
\$ 55.70
\$105.20

For wear washers and other AquaBurst™ sprinkler parts
contact XCAD for price and availability

Aqua Burst® impact sprinklers are only guaranteed to function optimally with nozzle type and sizes from each individual model's performance chart.

All Prices Subject To Change Without Notice

IMPACT SPRINKLER ACCESSORIES

Effective 1/1/15

AQUA BURST™ YARD ART



Turtle Yard Sprinkler

TURTLE.75 3/4" NPT

List
\$ 33.00



ST50B

Sprinkler Stand

ST50B	1/2" Butterfly
ST50H	1/2" Heart
ST75B	3/4" Butterfly
ST75H	3/4" Heart



ST75H

List
\$ 19.40
\$ 19.40
\$ 19.40
\$ 19.40



X-CART.5

Features

- 3/4" Heavy-duty hose connector
- Includes multi-composite X25ED full/part circle sprinkler
- Epoxy powder coated construction
- E-Z fold-up design for convenient storage

X-Cart Sprinkler Cart

Fits 1/2" base impact sprinkler

X-CART.5 1/2" Base

List
\$ 76.00



AL30

Single Nozzle
Diameter - GPM

PSI	1/8" nozzle	9/64" nozzle	5/32" nozzle	11/64" nozzle	3/16" nozzle
30	78 - 2.1	81 - 3.2	84 - 3.9	88 - 4.7	90 - 5.6
35	78 - 2.4	82 - 3.5	88 - 4.3	91 - 5.3	94 - 6.0
40	80 - 2.5	83 - 3.7	89 - 4.6	93 - 5.5	96 - 6.4
45	81 - 2.8	84 - 3.7	90 - 5.1	94 - 5.8	98 - 6.8
50	82 - 3.1	85 - 3.9	91 - 5.1	95 - 6.2	100 - 7.3
55	83 - 3.2	86 - 4.3	92 - 5.4	96 - 6.4	101 - 7.6
60	85 - 3.4	87 - 4.5	93 - 5.6	97 - 6.6	102 - 7.9
65	86 - 3.6	88 - 4.7	94 - 5.8	98 - 6.9	103 - 8.2
70	87 - 3.9	89 - 4.9	95 - 6.0	99 - 7.9	104 - 8.6
75	88 - 4.1	90 - 5.1	96 - 6.2	100 - 7.4	105 - 8.9
80	89 - 4.2	91 - 5.2	97 - 6.4	101 - 7.6	106 - 9.1

HF30

Single Nozzle
Diameter - GPM

PSI	1/8" nozzle	9/64" nozzle	5/32" nozzle	11/64" nozzle	3/16" nozzle
30	78 - 2.2	81 - 3.0	84 - 3.8	87 - 4.6	89 - 5.5
35	79 - 2.4	82 - 3.3	86 - 4.1	89 - 5.1	91 - 5.9
40	81 - 2.6	83 - 3.5	87 - 4.5	91 - 5.3	93 - 6.4
45	82 - 2.9	84 - 3.7	88 - 4.7	92 - 5.7	94 - 6.7
50	83 - 3.1	85 - 4.0	89 - 4.9	94 - 6.1	96 - 7.2
55	84 - 3.3	86 - 4.3	90 - 5.1	96 - 6.4	97 - 7.5
60	85 - 3.5	87 - 4.5	92 - 5.4	97 - 6.7	99 - 7.8
65	86 - 3.7	88 - 4.7	93 - 5.7	98 - 7.0	100 - 8.1
70	87 - 3.9	89 - 4.8	94 - 5.9	99 - 7.2	102 - 8.4
75	88 - 4.0	90 - 5.0	95 - 6.2	100 - 7.5	103 - 8.6
80	89 - 4.2	91 - 5.1	96 - 6.4	101 - 7.7	105 - 9.0

HF30AL

Diameter - GPM

PSI	1/8" nozzle	9/64" nozzle	5/32" nozzle	11/64" nozzle	3/16" nozzle
30	78 - 2.2	81 - 3.0	84 - 3.8	87 - 4.6	89 - 5.5
35	79 - 2.4	82 - 3.3	86 - 4.1	89 - 5.1	91 - 5.9
40	81 - 2.6	83 - 3.5	87 - 4.5	91 - 5.3	93 - 6.4
45	82 - 2.9	84 - 3.7	88 - 4.7	92 - 5.7	94 - 6.7
50	83 - 3.1	85 - 4.0	89 - 4.9	94 - 6.1	96 - 7.2
55	84 - 3.3	86 - 4.3	90 - 5.1	96 - 6.4	97 - 7.5
60	85 - 3.5	87 - 4.5	92 - 5.4	97 - 6.7	99 - 7.8
65	86 - 3.7	88 - 4.7	93 - 5.7	98 - 7.0	100 - 8.1
70	87 - 3.9	89 - 4.8	94 - 5.9	99 - 7.2	102 - 8.4
75	88 - 4.0	90 - 5.0	95 - 6.2	100 - 7.5	103 - 8.6
80	89 - 4.2	91 - 5.1	96 - 6.4	101 - 7.7	105 - 9.0

AL1023

Diameter - GPM

PSI	3/32" nozzle	7/64" nozzle	1/8" nozzle	9/64" nozzle
35	36 - 1.51	38 - 2.06	39 - 2.69	40 - 3.40
40	36 - 1.62	39 - 2.21	39 - 2.88	40 - 3.63
45	37 - 1.71	39 - 2.32	39 - 3.04	40 - 3.86
50	37 - 1.82	39 - 2.47	40 - 3.21	41 - 4.07
55	38 - 1.90	40 - 2.58	40 - 3.37	41 - 4.25
60	38 - 1.99	40 - 2.70	40 - 3.52	41 - 4.45

AL1023W

Diameter - GPM

PSI	1/16" nozzle	5/64" nozzle	3/32" nozzle	7/64" nozzle
35	59 - 0.69	64 - 1.08	68 - 1.55	73 - 2.02
40	60 - 0.74	66 - 1.14	70 - 1.67	74 - 2.15
45	62 - 0.79	67 - 1.21	72 - 1.72	76 - 2.32
50	62 - 0.83	68 - 1.29	72 - 1.85	76 - 2.47
55	63 - 0.86	69 - 1.33	73 - 1.93	78 - 2.59
60	64 - 0.90	70 - 1.39	74 - 2.00	79 - 2.65

INSTALLATION, MAINTENANCE & USER GUIDE

Installation, Maintenance and User Guide for Aqua Burst® Full Circle Impact Sprinklers

Operation of the Spoon-Driven Sprinkler

- ◆ Pressurized water passes through the bearing and sprinkler body exiting through the nozzle onto the sloping vane. The water is then directed through the arm window into the curve of the spoon creating a reactionary force.
- ◆ The reactionary force of the pressurized water leaving the spoon forces the arm out of the stream and away from the nozzle.
- ◆ The tension of the arm spring then pulls the arm back into its original position. During this process the impact is accelerated by the angle of the leading edge of the sloping vane causing the sprinkler to move a small degree of travel so that the rotation of the sprinkler is relatively slow and uniform (one-half to three minutes per revolution, depending on the model, pressure and nozzle size).

Common Causes of Impact Sprinkler Failure

1 - Foreign objects in water causing nozzle to become plugged

Remove and clean nozzle, then reinstall. Brass nozzles plugged with soft materials may be removed by inserting a wire to dislodge plug as long as care is used not to scratch the internal bore of the nozzle.

2 - Oils or Pipe Dope

Most Aqua Burst sprinklers come with **pre-applied XC-33 thread sealant** and require no other sealant during installation. All Aqua Burst impact sprinklers are water-lubricated. Never use additional lubricants such as oil, grease, anti-seize or pipe dope on bearing assembly or arm. Doing so will damage sprinkler and will void warranty. **Teflon tape, properly installed is the only other recommended thread sealant.**

3 - Improper Pressure

Always operate sprinkler within its recommended normal pressure range. Operation of sprinkler outside of its intended performance range may cause premature wear or crop damage and will void warranty. (See Aqua Burst nozzle performance charts for working pressure ranges).

4 - Worn and Improper Nozzle Sizes

Aqua Burst Impact Sprinklers are only guaranteed to function optimally with recommended nozzle sizes and types for each individual model. Only use recommended nozzle sizes and types for each model. Using improper size and type may cause excessive wear or sprinkler failure, inaccurate water distribution and/or crop damage and will void warranty. (See Aqua Burst nozzle performance charts for proper nozzle selection).

5 - Crushed Bearing Sleeve

Avoid over-tightening sprinkler into riser or fitting during installation. Most Aqua Burst sprinklers come with **pre-applied XC-33 thread sealant**. Over-tightening can cause the outer bearing sleeve to crush into the inner bearing spindle causing the bearing to bind and fail to rotate. In addition, over-tightening makes removal and replacement difficult and may require professional assistance.Ⓜ

6 - Avoid Incompatible Fittings

Avoid fittings that can come into contact with sprinkler bearing spindle. Some fittings have a shoulder that can interfere with the bearing spindle and cause the sprinkler to seize and fail.

7 - Over-tightening

Avoid over-tightening nozzle and sprinkler bearing nut during installation. Over-tightened nozzle will be very difficult to remove and replace. Never use a wrench or sprinkler wrench that can crush the bearing while installing or removing the sprinkler. Most Aqua Burst sprinklers come with **pre-applied XC-33 thread sealant** and do not require sprinkler to be over-tightened during installation.