

ANKA® Series

Rural Water Solutions

Agricultural, Irrigation, Rural and Municipal, & Plumbing Applications

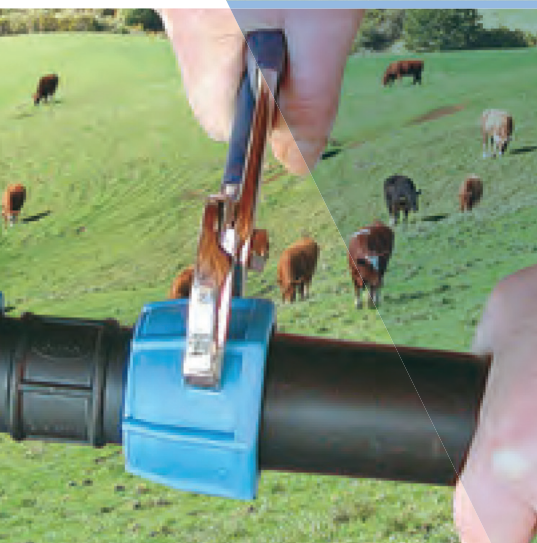


ANKA® Series of fittings, valves and hose nozzles are robust high quality and built to last and perform. Made from NSF approved fiber glass reinforced nylon and acetyl ANKA products are non-corrosive and UV stabilized.

High pressure, leakfree and reuseable fittings, full flow valves and indestructable nozzles; ANKA series has a solution. Serving the Rural and Municipal Water, Agricultural, Horticultural, Industrial, Irrigation, Marine, Rain Water Harvesting and Hydroponic markets.

Contents

Hose Nozzles.....	2
Wash Down/ Tuff Trigger™ Spray Guns..	4-5
Foot & Check Valves.....	6-7
Pipe Fittings.....	8-10
Pipes Unions	11
Quick-Lock Couplings	11



Hose Nozzles

AHN Series

Our hose nozzles are durable, robust and reliable to ensure a long life withstanding high impact and excessive wear. ANKA hose nozzles operate with a quick action on/off and fully adjustable spray pattern providing very high flow rates ensuring a fast and efficient wash down. Applications include Dairy, Livestock, Agricultural, Heavy Equipment, Industrial, Landscape and Irrigation, Horticultural and marine wash down.

- Quick action ON/OFF
- Full Flow and High Impact
- Adjustable Spray Patterns
- Serviceable – kits available
- Non-marking rubber outer ring designed to protect again high impact and excessive wear
- Durable – Made of fiberglass reinforced nylon
- Made from potable and food grade materials

AHNT20HW
Hot Water Tuff Trigger™
Spray Gun ¾"

AHNT20 Tuff
Trigger Spray Gun
¾"

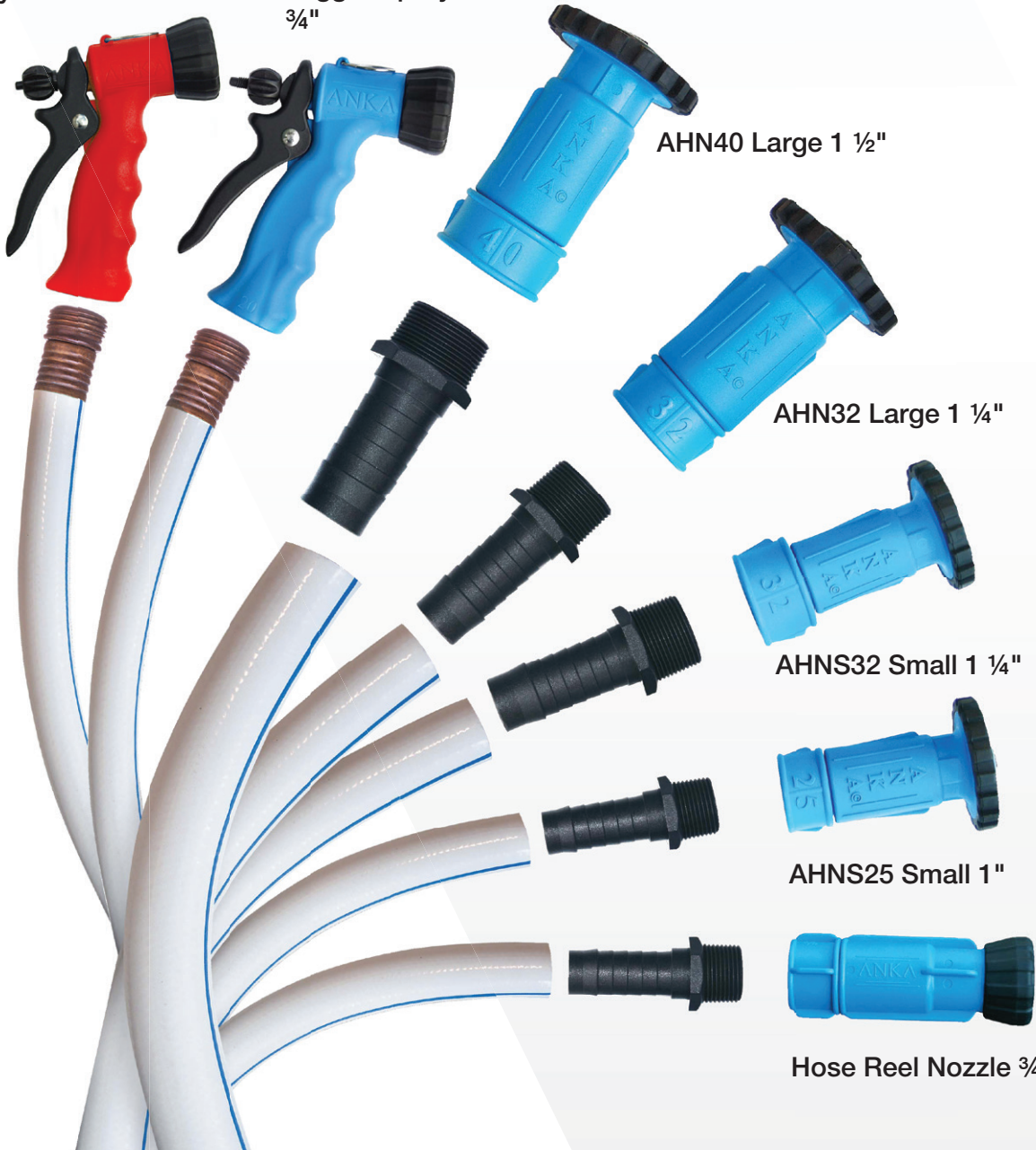
AHN40 Large 1 ½"

AHN32 Large 1 ¼"

AHNS32 Small 1 ¼"

AHNS25 Small 1"

Hose Reel Nozzle ¾"



Wash Down Nozzles

FEATURES & BENEFITS

- Protective outer rubber ring
- High flow rates
- Durable
- Quick action on/off
- Adjustable spray pattern
- Non-corrodible high-quality materials
- Serviceable

SPARES & ACCESSORIES

- Hose tails
- Service Kits

SPECIFICATIONS

Materials: Fiberglass Reinforced Nylon body
Temperature Range: Cold water applications

Ordering Code	Model No.	Size (in)
88002053	AHNS20 USA	3/4"
88003343	AHNS25-25	1"
88003344	AHNS32-32	1 1/4"
88002034	AHN32-32	1 1/4"
88003346	AHN40-40	1 1/2"



Hose Reel Nozzle

FEATURES & BENEFITS

- Protective outer rubber ring
- Durable
- Quick action on/off
- Adjustable spray pattern
- Non-corrodible high-quality materials

AVAILABLE SIZES

- 3/4"

SPARES & ACCESSORIES

- Hose Tail



Tuff Trigger™ Spray Gun

APPLICATION

Tuff Trigger™ Spray guns are made from high quality, industrial grade glass fiber reinforced nylon and nitrile rubber or viton seals (hot water trigger) making them durable and reliable. Practical features like a quick on off action, adjustable spray pattern, adaptable 3/4" hose connection and a protective and non-marketing outer rubber ring.

Applications include dairy, livestock, agricultural, heavy equipment, industrial, landscape, lawn/garden, Irrigation and Horticultural, Marine and wash down.

FEATURES & BENEFITS

- Adjustable Spray Pattern
- High (full) flow
- Non corrosive
- High quality, durable glass fiber reinforced nylon
- Serviceable
- Quick Action On/Off
- Max working pressure 100psi
- Hot water 180°F
- Non-marketing protective rubber outer ring

SPECIFICATIONS

Materials: Fiberglass Reinforced Nylon body

Temperature Range: Cold water applications

Note: The Hot Water Trigger Spray Gun is recommended for temperatures above 180°F (82°C). At that temperature, a heat-safe connection such as ANKA Male Coupling must be used.

Ordering Code	Model No.	Size (in)
88002064	AHNT20 USA	3/4"
88002063	AHNT20 USA HW	3/4"

SPARES & ACCESSORIES

- Service Kits

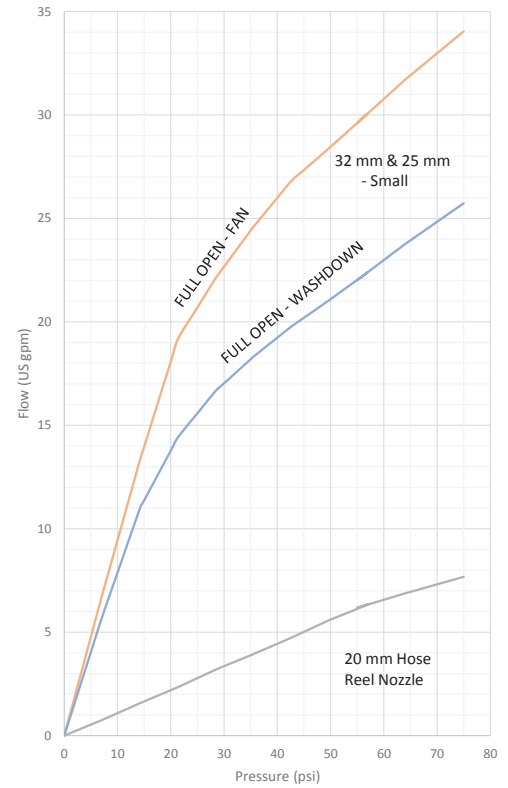


AHNT20
Tuff Trigger
Spray Gun

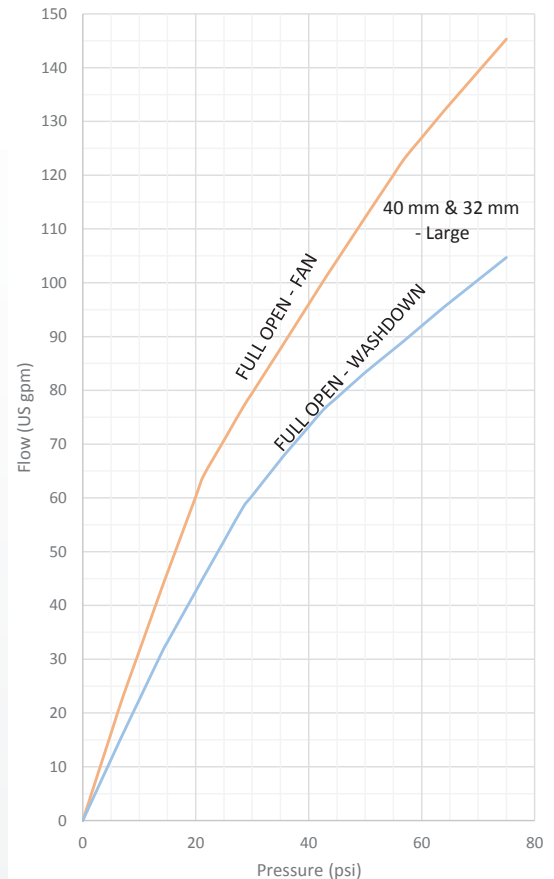


AHNT20HW
Hot Water Tuff
Trigger Spray Gun

Performance Curve (Small Hose Nozzles)



Performance Curve (Large Hose Nozzles)



Foot & Check Valves

APPLICATION

ANKA Foot and Check Valves are plunger style and full flow. Unlike traditional poppet-style valves, ANKA valves are spring loaded, plunger style, non-return valves. Providing an upward of more than 60% more flow, can be installed at any angle and open with just 1/2 psi, ANKA valves are high performance, high quality and durable. Designed for use in line check or at the end of a suction line to assist the pump in drawing water while also maintaining prime in the line.

Manufactured of potable, high grade, fiberglass reinforced nylon and acetyl, ANKA valves are durable and reliable.

Applications include, rural water supply, pump and pressure, irrigation, agricultural, industrial, plumbing and marine; essentially anywhere water or fluid flows!

FEATURES & BENEFITS

- Full Flow (plunger valve)
- Versatile – Operates at any angle
- Outperforms brass and PVC valves
- Non-Corrosive
- Serviceable
- Durable – glass reinforced nylon
- Made from NSF 61 potable materials

HOW IT WORKS

- Plunger opens fully when pump turns on
- Water flows through valve
- Plunger securely closes and seals eliminating back flow

SPECIFICATIONS

Working Pressure: 230psi (1600kpa) @ 68°F (20°C)

Temperature Range: Cold water applications

Threads: NPT (National Pipe Threads)

Check valves are FIPT (Female pipe thread)

Materials: Glass Fiber Reinforced Nylon body

316 Stainless Steel spring

Acetyl plunger

Nitrile rubber washer & O-rings

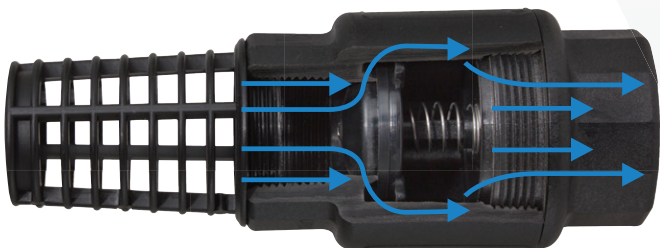
Polypropylene screen (Foot Valves only)



Foot Valves



Check Valves



Foot & Check Valves

AVAILABLE SIZES

Foot Valve

- 1/2"
- 3/4"
- 1"
- 1 1/4"
- 1 1/2"
- 2"

Check Valve

- 1/2" x 1/2"
- 1/2" x 1"
- 3/4" x 3/4"
- 1" x 1"
- 1 1/4" x 1 1/4"
- 1 1/2" x 1 1/2"
- 2" x 2"

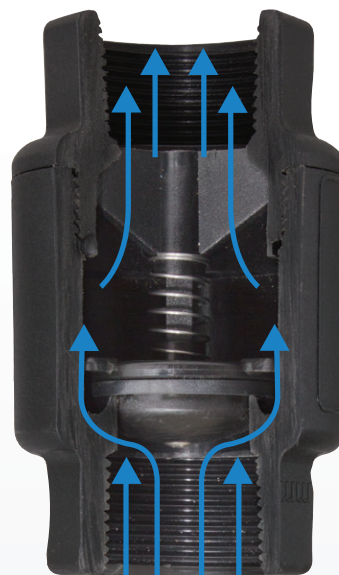
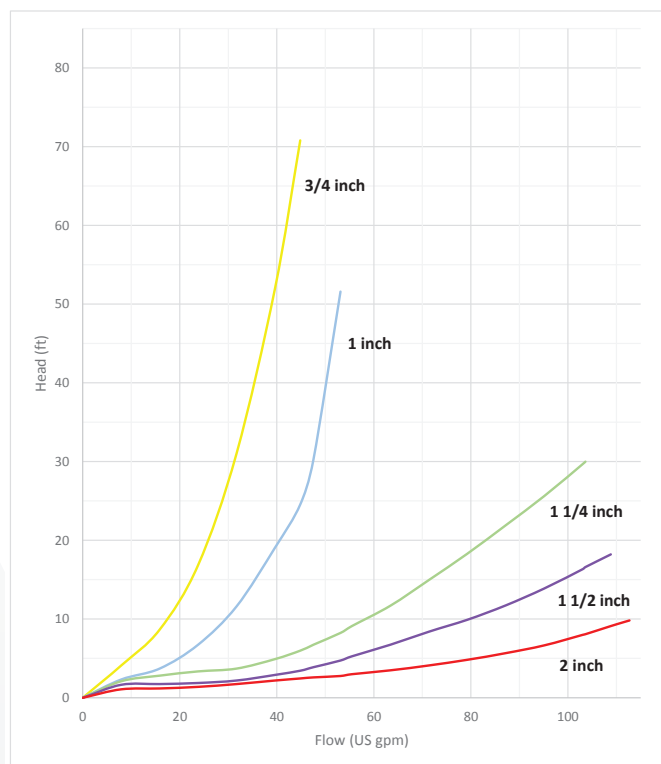
FOOT VALVES

Ordering Code	Model No.	Size (in)
88002031	AFV34	3/4"
88002023	AFV1	1"
88002027	AFV114	1 1/4"
88002025	AFV112	1 1/2"
88002029	AFV2	2"

CHECK VALVES

Ordering Code	Model No.	Size (in)
88001961	ACV15	1/2"
88001975	ACV34	3/4"
88001967	ACV1	1"
88001971	ACV114	1 1/4"
88001969	ACV112	1 1/2"
88001973	ACV2	2"

**Performance Curve
(Foot & Check Valves)**



Pipe Fittings

ANKA series

ANKA fittings are high pressure, insert- compression poly pipe fittings made from high quality, potable, non corrosive and durable fiberglass reinforced nylon. An easy to use and leak free connection for Rural, Municipal, Pump and Pressure, Irrigation, Agricultural, Hydroponic and Marine applications.

- Non Corrosive – made from extremely durable, high quality potable materials
- Fiberglass reinforced nylon
- Easy to use Reuseable, one piece fitting
- Leak Free* – Unique captive self threading nut
- UV Stabilized – for above ground or below grade applications
- No Tools required
- Designed for use with all ID (inside diameter) rated pipe
- Can be used on poly pipe, clear or braided hose, garden or wash down hose

ASC STRAIGHT COUPLING



Available sizes: 1/2", 3/4", 1", 1 1/4"

Ordering Code	Model No.	Size (in)
88002212	ASC12	1/2"
88002213	ASC34	3/4"
88002210	ASC1	1"
88002211	ASC114	1 1/4"

ASC REDUCING STRAIGHT COUPLING AND ARC



Available sizes: 1/2", 3/4", 1", 1 1/4"

Ordering Code	Model No.	Size (in)
88002183	ASC3412	3/4" x 1/2"
88002180	ARSC112	1" x 1/2"
88002182	ARSC134	1" x 3/4"
88002181	ARSC1141	1 1/4" x 1"

AMA MALE ADAPTER



Available sizes: 1/2", 3/4", 1", 1 1/4"

Ordering Code	Model No.	Size (in)
88002081	AMA12	1/2"
88002082	AMA34	3/4"
88002079	AMA1	1"
88002080	AMA114	1 1/4"

AFA FEMALE ADAPTER



Available sizes: 1/2", 3/4", 1", 1 1/4"

Ordering Code	Model No.	Size (in)
88001983	AFA12	1/2"
88001984	AFA34	3/4"
88001981	AFA1	1"
88001982	AFA114	1 1/4"

ARMA REDUCING MALE ADAPTER



Available sizes: 1/2" x 3/4", 1" x 1/2", 1 1/4" x 1"

Ordering Code	Model No.	Size (in)
88002164	ARMA1234	3/4" x 1/2"
88002163	ARMA121	1" x 1/2"
88002162	ARMA1114	1" x 3/4"

ARFA REDUCING FEMALE ADAPTER



Available sizes: 3/4" x 1/2", 1" x 3/4", 1 1/4" x 1", 1 1/2" x 1 1/4"

Ordering Code	Model No.	Size (in)
88002145	ARFA1234	1/2" x 3/4"

Note : All threaded connections are NPT (national pipe thread). Available in Male NPT and Female NPT configurations.

KEY:

- Female Couplings, Elbows & Tees
- Male Couplings, Elbows & Tees
- Reducing Couplings, Elbows & Tees
- Bracket Elbows
- Elbows
- Tees
- Straight Couplings

AT TEE ●

Available sizes: 1/2", 3/4", 1", 1 1/4"



Ordering Code	Model No.	Size (in)
88002228	AT12	1/2"
88002229	AT34	3/4"
88002226	AT1	1"
88002227	AT114	1 1/4"

AFT FEMALE TEE ●

Available sizes: 1/2", 3/4", 1", 1 1/4"



Ordering Code	Model No.	Size (in)
88002013	AFT12	1/2"
88002014	AFT34	3/4"
88002012	AFT1	1"

AME MALE ELBOW ●

Available sizes: 1/2", 3/4", 1", 1 1/4"



Ordering Code	Model No.	Size (in)
88002104	AME12	1/2"
88002105	AME34	3/4"
88002102	AME1	1"
88002103	AME114	1 1/4"

ARFE REDUCING FEMALE ELBOW ●

Available sizes: 1/2" x 3/4", 1" x 1/2", 1" x 3/4"



Ordering Code	Model No.	Size (in)
88002160	ARFE3412	3/4" x 1/2"
88002158	ARFE112	1" x 1/2"
88002159	ARFE134	1" x 3/4"

AHF YARD HYDRANT ELBOW ●

Available sizes: 3/4" x 3/4", 1" x 3/4"



Ordering Code	Model No.	Size (in)
88225113	AHF34	3/4" x 3/4"
88225114	AHF134	1" x 3/4"

ART REDUCING TEE ●

Available sizes: 3/4" x 1/2", 1" x 1/2", 1" x 3/4", 1 1/4" x 1"



Ordering Code	Model No.	Size (in)
88002198	ART3412	3/4" x 1/2"
88002195	ART112	1" x 1/2"
88002197	ART134	1" x 3/4"
88002196	ART1141	1" 1/4 x 1"

AE ELBOW ●

Available sizes: 1/2", 3/4", 1", 1 1/4"



Ordering Code	Model No.	Size (in)
88001979	AE12	1/2"
88001980	AE34	3/4"
88001977	AE1	1"
88001978	AE114	1 1/4"

AFE FEMALE ELBOW ●

Available sizes: 1/2", 3/4", 1", 1 1/4"



Ordering Code	Model No.	Size (in)
88001999	AFE12	1/2"
88002000	AFE34	3/4"
88001997	AFE1	1"
88001998	AFE114	1 1/4"

APU PUMP UNION ○

Available sizes: 3/4", 1", 1 1/4"



Ordering Code	Model No.	Size (in)
88002121	APU34	3/4"
88002119	APU1	1"
88002120	APU114	1 1/4"

How to use ANKA fittings

These strong, non corrosive and easy to use fittings are suited for a wide range of applications including rural and municipal water supply, pump and pressure systems, agricultural, livestock watering, irrigation, lawn and garden, hydroponic and marine.

Designed to fit a large range of pipe and hose including SIDR 9.5, 11, 15 and 19 (60-200psi) polyethylene pipe in all densities (low to high density), clear and braided hose, garden and wash down hose or tubing. The captive nut is tapered to connect to a variety of ID (inside diameter) or nominally sizes pipe and tube.

ANKA insert is a double barbed insert connection with a captive nut ensuring you get a consistent and leak free fit. The barb is tapered and non restrictive to flow and is designed to work with the captive blue nut to secure and grip to the surface area on the pipe compressing insert, pipe and nut for a leak free connection.

SPECIFICATIONS

Material: Glass Fiber Reinforced Nylon

Working Pressure: 230psi (1600kpa) @ 68°F (20°C)

Temperature Range: 34°F - 140°F (1°C - 60°C)

INSTALLATION

- Can be fitted to cold pipe in most situations
- Softening with hot water will help installation
- Option – use thread tape or thread sealant on all threads, we recommend Loctite 5331
- Simply push the pipe over the barbs up to the “stop”, tighten the **BLUE NUT** by hand, then tighten 1-2 turns with a wrench.



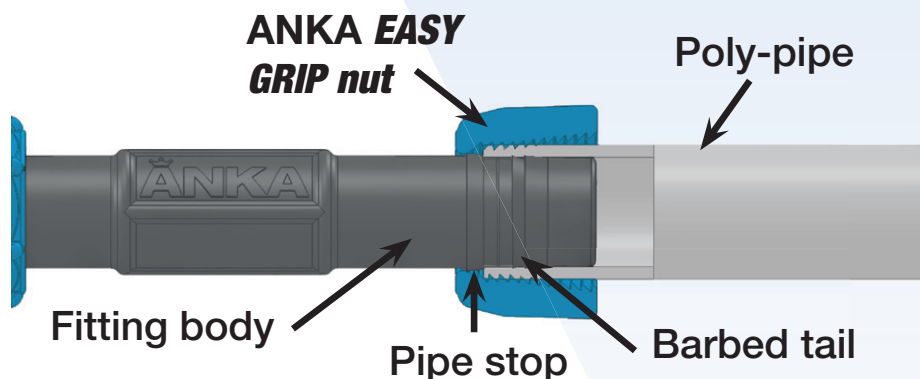
1 Cut & clean pipe, then slide nut away from pipe stop.



2 Push pipe over the barbed fitting tail until it touches the pipe stop.



3 Hand tighten the Easy Grip nut, then moderately tighten with a wrench.



Pipe Unions

AFU Series

ANKA pipe unions can be used in place of traditional metal fittings, designed for in-line servicing, connect/disconnect and removal of valves, pumps, pipe and fittings. Made from high grade fiberglass reinforced nylon for durability and reliability making servicing and winterizing easy.



FEATURES & BENEFITS

- Can be taken apart for servicing
 - Working Pressure: 230psi (1600kpa) @ 68°F (20°C)
 - Temperature Range: 34°F - 140°F (1°C - 60°C)

Ordering Code	Model No.	Size (in)
88002017	AFU34	3/4"
88002015	AFU 1	1"
88002016	AFU 114	1 1/4"
88005984	AFU 112	1 1/2"
88005985	AFU2	2"

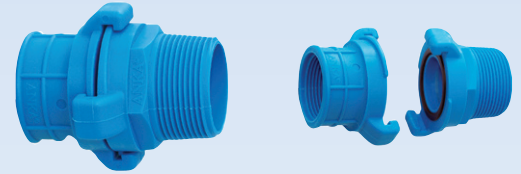
Quick-Lock Couplings

QL Series

ANKA Quick-lock couplings are designed for easy twist action connect and disconnect for in-line servicing, winterizing of pipe, fittings, pumps or valves. The quick-lock is easily adapted to a hose nozzles for easy wash down, versatility and durability in Agricultural applications.

ANKA Quick-locks are interchangeable with a consistent nitrile rubber seal ring allowing a wide range of configurations.

Quick-locks as similar to a camlock style fitting are used in a variety of applications such as rural water, agricultural watering and wash down, irrigation and industrial.



FEATURES & BENEFITS

- Universal connection to allow for custom combinations
- Leak free nitrile rubber o-ring seal
- Easily take piping apart for maintenance or to change lines
 - Working Pressure: 0 - 150psi (0 - 1000kPa) @ 68°F (20°C)
 - Temperature Range: 34°F - 140°F (1°C - 60°C)

Ordering Code	Model No.	Size (in)
88002135	AQLCM34 (male NPT)	3/4"
88002133	AQLCM1 (male NPT)	1"
88002134	AQLCM114 (male NPT)	1 1/4"
88005986	AQLCM112 (male NPT)	1 1/2"
88002128	AQLCF34 (female NPT)	3/4"
88002126	AQLCF1 (female NPT)	1"
88002127	AQLCF114 (female NPT)	1 1/4"
88005987	AQLCF112 (female NPT)	1 1/2"

WATTS® WORKS™

LEARNING PROGRAM



Scan to start learning

Online Training

Spruce up your skills anywhere, anytime with Watts eLearning courses.

- up to 20 courses on pipe fittings and valves, from novice to expert training
- Self-paced courses <10 minutes
- On-demand from any device
- Earn tokens to spend lifestyle merchandise with Learn & Earn

Learning Centers

Our state-of-the-art classrooms staffed with highly-qualified instructors will give you the hands-on training you need to better understand the right product for the job and how to use and maintain it.

- North Andover, MA
- Burlington, Canada
- St. Pauls, NC
- Blauvelt, NY
- Woodland, CA

Watts Family of Brands

Watts designs, manufactures, and sells an extensive line of flow control, water safety, water filtration & treatment, drainage, and PEX plumbing products.

The Watts family of companies provides a single source for solutions used to safely convey, conserve, and manage water.

Making Watts your single source for plumbing-related solutions will streamline your operations, save you money, and reduce the variety of repair parts needed for maintenance.



USA: Tel: (713) 943-0688 • Fax: (713) 944-9445 • Watts.com

Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • Watts.ca

Latin America: Tel: (52) 81-1001-8600 • Watts.com