

EXPECT SOLUTIONS,
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PRODUCTS





RESILIENT WEDGE GATE VALVES

Type

Component

Standard material

Optional material

**Series 65
Reduced Wall
Ductile Iron**

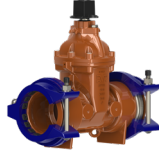
AWWA C515
250 PSI
MxMJ 3"-12"
MxFL 3"-12"
FLxFL 2½"-12"
POxPO 4"-12"
POxFL 4"-12"



Body/Bonnet	Ductile iron ASTM A536	N/A
Gland Flange	Ductile iron ASTM A536	N/A
Operating Nut	Ductile iron ASTM A536	Bronze
Stem	Stainless steel	Low zinc bronze (Sewer appl)
Wedge	EPDM encapsulated with ductile iron core	NBR
Hardware	304 stainless steel	316 stainless steel
Coating	VeloCorr™ certified holiday free, internally	Polyurea/Polyurethane Hybrid (PUR)
O-rings	Nitrile rubber	N/A

**Series 65
Hymax Grip®
Reduced Wall
Ductile Iron**

AWWA C515
250 PSI
Hymax-Hymax
HYxHY 4"-12"
Hymax-Flange
HYxFL 4"-12"



Body/Bonnet	Ductile iron ASTM A536	N/A
Gland Flange	Ductile iron ASTM A536	N/A
Operating Nut	Ductile iron ASTM A536	Bronze
Stem	Stainless steel	Low zinc bronze (Sewer appl)
Wedge	EPDM encapsulated with ductile iron core	NBR
Hardware	304 stainless steel	316 stainless steel
Coating	VeloCorr™ certified holiday free, internally	Polyurea/Polyurethane Hybrid (PUR)
O-rings	Nitrile rubber	N/A

**Series 45
Full Wall
Ductile Iron**

AWWA C509/C515
250 PSI
MxMJ 3"-16"
MxMJ-CUTIN 3"-16"
MxFL 3"-16"
MxFL-TAPPING 4"-12"
FLxFL- Class 125 2½"-16"
POxPO 4"-12", & 16"
POxFL 4"-12", & 16"



Body/Bonnet	Ductile iron ASTM A536	N/A
Gland Flange	Ductile iron ASTM A536	N/A
Operating Nut	Ductile iron ASTM A536	Bronze
Stem	Stainless steel	Low zinc bronze (Sewer appl)
Wedge	EPDM encapsulated with ductile iron core	NBR
Hardware	304 stainless steel	316 stainless steel
Coating	Fusion bonded epoxy coating to AWWA C550	Polyurea/Polyurethane Hybrid (PUR)
O-rings	Nitrile rubber	N/A

**Series 45 350 PSI
Cold Working
Pressure
Ductile Iron**

Tested to
AWWA C509
FLxFL class 250

4"-12"
Cold Working Pressure - 350 PSI



Body/Bonnet	Ductile iron ASTM A536	N/A
Gland Flange	Ductile iron ASTM A536	N/A
Operating Nut	Ductile iron ASTM A536	Bronze
Stem	Stainless steel	Low zinc bronze (Sewer appl)
Wedge	EPDM encapsulated with ductile iron core	NBR
Hardware	304 stainless steel	316 stainless steel
Coating	Fusion bonded epoxy coating to AWWA C550	Polyurea/Polyurethane Hybrid (PUR)
O-rings	Nitrile rubber	N/A

**Series 55
Ductile Iron**

AWWA C515
250 PSI

MxMJ 18",20",24",30",36"
FLxFL 18",20",24",30",36"



Body/Bonnet	Ductile iron ASTM A536	N/A
Gland Flange	Ductile iron ASTM A536	N/A
Operating Nut	Ductile iron ASTM A536	N/A
Stem	Stainless steel	Low zinc bronze (Sewer appl)
Wedge	EPDM encapsulated with ductile iron core	N/A
Hardware	304 stainless steel	316 stainless steel
Coating	Fusion bonded epoxy coating to AWWA C550	Polyurea/Polyurethane Hybrid (PUR)
O-rings	Nitrile rubber	N/A

**Series 03
Reduced Wall
Ductile Iron**

AWWA C509
250 PSI

NPTxNPT 1"-3"
POxPO 2"
(for IPS PVC pipe)



Body/Bonnet	Ductile iron ASTM A536	N/A
Gland Flange	Ductile iron ASTM A536	N/A
Operating Nut	Ductile iron ASTM A536	N/A
Stem	Stainless steel	N/A
Wedge	EPDM encapsulated with brass core	N/A
Hardware	304 stainless steel	316 stainless steel
Coating	Fusion bonded epoxy coating to AWWA C550	Polyurea/Polyurethane Hybrid (PUR)
O-rings	Nitrile rubber	N/A



BUTTERFLY VALVES



HDPE VALVES

Type

**Series 766
Double Eccentric
Butterfly Valve**

AWWA C504
150 PSI or 250 PSI

MxMJU 24"-48"
FLxFL 24"-48"



Component

Standard material

Optional material

Body/Disc/Endplate	Ductile iron ASTM A536	N/A
Disc Ring	316 stainless steel	N/A
Disc Cover	316 stainless steel	N/A
Stems/Dowel Pins	431 stainless steel	17-4PH class 250
Coating	Fusion bonded epoxy coating to AWWA C550	N/A
Hardware	316 stainless steel	N/A
Bushings	Copper alloy ASTM B505	N/A
Bearings	Steel with PTFE	N/A
Seal House	Aluminum Bronze	N/A
Disc Seal/Disc Gasket	EPDM rubber	N/A
Misc. O-rings	EPDM rubber	N/A
Cover Plate O-ring	NBR	N/A
Seal	EPDM	N/A

**Series 816
Concentric
Butterfly Valve**

AWWA C504
150 PSI or 250PSI

MxMJU 4"-24"
MxFL 6"-24"
FLxFL 3"-24"
WAFER 3"-20"



Body	Ductile iron ASTM A536	N/A
Disc	Ductile iron ASTM A536 with NI-CU seat	N/A
Stem	17-4PH stainless steel	N/A
Bushings	Copper alloy ASTM B505	N/A
Hardware	304 stainless steel	N/A
Coating	Two Component High Solids Epoxy	N/A
O-rings	NBR	N/A
Seal	EPDM	N/A

**Series 66
HDPE FUSIBLE**

AWWA C515
(where applicable)
250 PSI

HDPE x HDPE 2"-3" - SDR9,11,13.5,17
HDPE x HDPE 4"-16" - SDR9,11,13.5



Body/Gland Flange	Ductile iron ASTM A536	N/A
Bonnet	Grey iron ASTM A126 class B	N/A
Operating Nut	Ductile iron ASTM A536	Bronze
Stem	Stainless steel	Low zinc bronze (Sewer application)
Wedge	EPDM encapsulated with ductile iron core	NBR
Hardware	304 stainless steel	316 stainless steel
Coating	Fusion bonded epoxy coating to AWWA C550	Polyurea/Polyurethane Hybrid (PUR)
O-rings	Nitrile rubber	N/A

**Series 85 HDPE
Ball Valves**

AWWA C521

SDR 11 - 200 PSI Water,
100 PSI Gas - 3/4"-6" IPS

SDR 9 - 250 PSI Water,
160 PSI Gas - 2"-6" IPS

SDR 7 - 335 PSI Water,
214 PSI Gas - 2"-6" IPS



Body/Reducer	HDPE PE 4710 (PE 100-RC)	N/A
Ball, Seat Retainer	HDPE PE 4710 (PE 100-RC)	N/A
Support Ring	HDPE PE 4710 (PE 100-RC)	N/A
Stem	POM	N/A
Operating Nut	PA-GF	N/A
Seat, O-rings	NBR-70 NSF Approved	N/A



UL/FM FIRE PROTECTION

Type

**Series 34
Wall Indicator Post**

For valve sizes
4" - 16"

UL/ULC Listed 4" - 16"
FM Approved 4" - 14"



Component

Standard material

Optional material

Indicator Head, Handwheel	Ductile iron ASTM A536	N/A
Wrench Nut Adaptor	Ductile iron ASTM A536	N/A
Operating Wrench	Ductile iron ASTM A536	N/A
Stem	Cold drawn steel	N/A
Set Screw, Tension Pin, Circlip	Stainless steel	N/A
Hardware	Zinc plated steel	N/A
Coating	Fusion bonded epoxy coating to AWWA C550	N/A
Target, Operating Nut	Bronze	N/A
Open/Shut Signs	Aluminum	N/A
Window	Polycarbonate	N/A

**Series 145 NRS
For Fire Protection
Ductile Iron**

250 PSI
Flanged ends to
ASME B16.42
class 150
FLxFL 2 1/2" - 8"
IPS Grooved ends to
AWWA C506
GRxGR 2 1/2" - 8"
GRxFL 2 1/2" - 8"
UL/ULC Listed
FM Approved



Body/Gland Flange	Ductile iron ASTM A536	N/A
Bonnet	Ductile iron ASTM A536	N/A
Operating Nut	Ductile iron ASTM A536	N/A
Stem	Stainless steel	N/A
Wedge	EPDM encapsulated with ductile iron core	N/A
Hardware	Zinc plated steel	304 -316 stainless steel
Coating	Fusion bonded epoxy coating to AWWA C550	N/A
Bonnet Gasket, O-rings	Nitrile rubber	N/A

**Series 145 OS&Y
For Fire Protection
Ductile Iron**

250 PSI
Flanged ends to
ASME B16.42
class 150
FLxFL 2 1/2" - 8"
IPS Grooved ends to
AWWA C506
GRxGR 2 1/2" - 8"
GRxFL 2 1/2" - 8"
UL/ULC Listed
FM Approved



Body/Bonnet-Yoke	Ductile iron ASTM A536	N/A
Yoke, Gland Follower	Ductile iron ASTM A536	N/A
Handwheel	Ductile iron ASTM A536	N/A
Anti-friction Washer, Sternuts	Bronze	N/A
Gland, Gland Bushing	Akulon	N/A
Stem	Stainless steel	N/A
Wedge	EPDM encapsulated with ductile iron core	N/A
Hardware	Zinc plated steel	304 -316 stainless steel
Coating	Fusion bonded epoxy coating to AWWA C550	N/A
Bonnet Gasket, O-rings	Nitrile rubber	N/A



DRY BARREL HYDRANTS

Type

Component

Standard material

Type

Series 2700 MODERN Single Pumper Dual Hose

AWWA C502
250 PSI
UL/ULC Listed
FM Approved
Certified to: NSF/ANSI 61, NSF/ANSI 372



Nozzle Section, Bonnet, Barrels, Standpipe & Breakable Flanges, Main Valve Flange, Bases, Monitor Elbow	Ductile iron ASTM A536
Caps, Weathershield	Grey iron ASTM A126 class "B"
Nozzles, Valve Seat Ring, Drain Ring, Operating Nut, Thrust Nut	Bronze

Series 27CA MODERN Monitor Elbow Single Pumper Dual Hose

AWWA C502
250 PSI
Monitor elbows
3"- 4" flanges
UL/ULC Listed
FM Approved
Certified to: NSF/ANSI 61, NSF/ANSI 372



Stemrod Couplings, Lock Ring, Nozzle Retaining Screw, Lock Plate, Lock Plate Screw, Coupler Pins, Main Valve Retaining Pin, Spring Pins, Main Valve Retaining Washer	Stainless steel
Main Valve	Ductile iron core, fully encapsulated in EPDM rubber

Series 27EXT MODERN Extended Upper Barrel Single Pumper Dual Hose

AWWA C502
250 PSI
UL/ULC Listed
FM Approved
Certified to: NSF/ANSI 61, NSF/ANSI 372



Stop Nut, Chain Set	Zinc plated steel
Hardware - above ground	Zinc Plated steel
Hardware - below ground	304 stainless steel
Barrel Gasket, Cap Gasket, NBR	
O-rings	Barrel gasket with 304 stainless insert
Lubrication Hole Seal	Oil resistant rubber
Anti-friction Washer	Polyamide
Coating (Series 27)	Above ground fusion bonded epoxy coated, inside and out Below ground fusion bonded epoxy base components, bitumen barrel

Series 2712 MODERN Single Pumper

AWWA C502
250 PSI
Certified to: NSF/ANSI 61, NSF/ANSI 372



Coating (Series 67)	Above ground acrylic polyurethane paint Below ground fusion bonded epoxy coating
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Series 2730 MODERN Alpine Single Pumper Dual Hose

AWWA C502
250 PSI
UL/ULC Listed
FM Approved
Certified to: NSF/ANSI 61, NSF/ANSI 372



AVK fusion bonded epoxy coatings meet or exceed the requirements of AWWA C550	
Component	Optional material
Hardware	316 stainless steel

Series 2736 MODERN Dual Pumper

AWWA C502
250 PSI
UL/ULC Listed
Certified to: NSF/ANSI 61, NSF/ANSI 372



Series 27 Base/Inlet Options	
Mechanical Joint (MJ)	4", 6", 8"
Flanged (FL)	4", 6"
Straight (FL)	6"
HYMAX GRIP® (HY)*	6"
HDPE *	4", 6"
*HDPE and HYMAX GRIP® not UL/FM approved	
Series 67 Base/Inlet Options	
Mechanical Joint (MJ)	2", 3", 4"
Flanged (FL)	2½", 3"
National Pipe Thread (NPT)	2", 2½", 3"

Series 2780 NOSTALGIC Single Pumper Dual Hose

AWWA C502
250 PSI
UL/ULC Listed
FM Approved
Certified to: NSF/ANSI 61, NSF/ANSI 372



Series 2756 NOSTALGIC Dual Pumper

AWWA C502
250 PSI
UL/ULC Listed
Certified to: NSF/ANSI 61, NSF/ANSI 372



Series 2760 NOSTALGIC Single Pumper

AWWA C502
250 PSI
Certified to: NSF/ANSI 61, NSF/ANSI 372



Series 2794 NOSTALGIC Dual Hose

AWWA C502
250 PSI
UL/ULC Listed
FM Approved
Certified to: NSF/ANSI 61, NSF/ANSI 372



Series 67 Post/Flushing Single Hose

AWWA C502
250 PSI
Certified to: NSF/ANSI 61, NSF/ANSI 372



Series 27 FlowGuard I™ Check Valve Resilient Seated 6" MJ x Spigot

Tested to AWWA C508
250 PSI





WET BARREL HYDRANTS



Type

**Series 24
Stainless Steel
Wet Barrel Hydrant**
Tested to
AWWA C503
200 PSI
UL Listed
Single Pumper, Dual Hose
Single Pumper, Single Hose

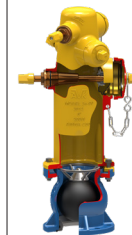


Component	Standard material
Components for Series 24 Hydrants	Standard Material
Nozzle Section (Ductile Iron)	Ductile iron ASTM A536
Nozzle Section (Stainless)	304 stainless steel, CF-8 ASTM A351
Caps, Dummy Nuts	Grey iron ASTM A126 class "B"
Stems, Stem Nuts	Bronze
Nozzles, Thrust Nuts	Bronze
Thrust Collars, Thrust Nuts	Stainless steel
Nozzle Retaining Screws	Stainless steel
Valve Discs	Bronze encapsulated with nitrile rubber
Coating	Fusion bonded epoxy coating to AWWA C550
O-rings	Nitrile rubber
Cap Gaskets	Neoprene rubber
Chains	Zinc coated steel



**Series 24
Ductile Iron
High Pressure
Wet Barrel Hydrant**
Tested to
AWWA C503
350 PSI
UL Listed, FM Approved
at 250 PSI
Available in:
Single Pumper, Dual Hose
Single Pumper, Single Hose
Dual Pumper, Single Hose

Component	Standard material
Components for Series 24 FlowGuard II™	Standard Material
Body	Ductile iron ASTM A536
Retaining Cage, Seat Ring	Stainless steel CF8 ASTM A351
Ball	Ductile iron encapsulated with EPDM rubber
Hardware	304 Stainless steel
O-rings	Nitrile rubber
Coating	Fusion bonded epoxy coating to AWWA C550



**Series 24
FlowGuard II™
Water Loss, &
Cross Contamination
Reduction Valve**
For all manufacturers
Wet Barrel Hydrants


All AVK Series 24 Wetbarrel Hydrants available with 6 or 8 bolt hole patterns

CHECK VALVES



Type

**Series 41
Swing Check Valves
Ductile Iron**
AWWA C508
250 PSI
3"-12"
Available configurations:
Swing, Lever & Weight,
Lever & Spring



Component	Standard material	Optional material
Body/Bonnet	Ductile iron ASTM A536	N/A
Lever/Weight	Ductile iron ASTM A536	N/A
Hinge	3"-8" Stainless steel, 10"-12" Ductile iron ASTM A536	N/A
Disc	Carbon steel core encapsulated with EPDM	N/A
Hardware	304 stainless steel	316 stainless steel
Coating	Fusion bonded epoxy coating to AWWA C550	N/A
O-rings	Nitrile rubber	N/A

**Series 53
Ball Check Valve
Ductile Iron**
Flanges drilled to
ANSI B16.1
Class 125
150 PSI
FLxFL 1½"-16", 20" & 24"
NPT 1½"-2" DI or SS



Body/Bonnet	Ductile iron ASTM A536	Stainless steel for NPT
Ball	Aluminum core encapsulated with NBR	Floating or Polyurethane
Hardware	Zinc plated steel	304 - 316 stainless steel
Coating	Fusion bonded epoxy coating	Black primer
O-rings	Nitrile rubber	N/A

PLUG VALVES








**Series 764
Plug Valve
Ductile Iron**
Flanges drilled to
ANSI B16.1
Class 125
150 PSI
FLxFL 2½"-12"



Body/Bonnet/ISO Flange	Ductile iron ASTM A536	N/A
Plug	Ductile iron ASTM A536 encapsulated with NBR	EPDM
Seat	Welded Nickel	N/A
Hardware	316 stainless steel	N/A
Coating	Fusion bonded epoxy coating	N/A
O-rings	Nitrile rubber	N/A



UL/FM FIRE PROTECTION

Type	Component	Standard material	Optional material
<p>Series 45 Ductile Iron Full Wall for Indicator Post AWWA C509 250 PSI MJxMJ 3"-16" MJxFL 3"-16" FLxFL 4"-16" POxPO 4"-12", &16" POxFL 4"-12", &16"</p> 	Body/PI Plate	Ductile iron ASTM A536	N/A
	Bonnet	Grey iron ASTM A126 class B	N/A
	Operating Nut	Ductile iron ASTM A536	Bronze
	Stem	Stainless steel	Bronze
	Wedge	EPDM encapsulated with ductile iron core	NBR
	Hardware	304 stainless steel	316 stainless steel
	Coating	Fusion bonded epoxy coating to AWWA C550	N/A
	O-rings	Nitrile rubber	N/A
<p>Series 45 OS&Y Full Wall Ductile Iron AWWA C509 250 PSI FLxFL - Class 125 2½"-12" FLxFL - Class 250 4"-12"</p> 	Body/Bonnet	Ductile iron ASTM A536	N/A
	Yoke,Gland Follower	Ductile iron ASTM A536	N/A
	Handwheel	Ductile iron ASTM A536	N/A
	Anti-friction Washer, Stemnuts	Bronze	N/A
	Gland, Gland Bushing	Akulon	N/A
	Stem	Stainless steel	Bronze
	Wedge	EPDM encapsulated with ductile iron core	NBR
	Hardware	304 stainless steel	316 stainless steel
	Coating	Fusion bonded epoxy coating to AWWA C550	N/A
	O-rings	Nitrile rubber	N/A
<p>Series 45 Grooved NRS Ductile Iron Tested to AWWA C509 250 PSI GRxGR 2½"-10" GRxFL 2½"-10" Grooved ends to AWWA C506 Available in IPS & DIPS</p> 	Body/Gland Flange	Ductile iron ASTM A536	N/A
	Wrench Nut	Ductile iron ASTM A536	N/A
	Handwheel/Bonnet	Grey iron ASTM A126 class "B"	N/A
	Stem	Stainless steel	Bronze
	Wedge	EPDM encapsulated with ductile iron core	NBR
	Hardware	304 stainless steel	316 stainless steel
	Coating	Fusion bonded epoxy coating to AWWA C550	N/A
	O-rings	Nitrile rubber	N/A
<p>Series 45 Grooved OS&Y Ductile Iron Tested to AWWA C509 250 PSI GRxGR 2½"-10" GRxFL 2½"-10" Grooved ends to AWWA C506 Available in IPS & DIPS</p> 	Body/Gland Flange	Ductile iron ASTM A536	N/A
	Yoke,Gland Follower	Ductile iron ASTM A536	N/A
	Handwheel, Bonnet	Ductile iron ASTM A536	N/A
	Anti-friction Washer, Stemnuts	Bronze	N/A
	Gland, Gland Bushing	Akulon	N/A
	Stem	Stainless steel	Bronze
	Wedge	EPDM encapsulated with ductile iron core	NBR
	Hardware	304 stainless steel	316 stainless steel
	Coating	Fusion bonded epoxy coating to AWWA C550	N/A
	O-rings	Nitrile rubber	N/A
<p>Series 34 Telescoping Indicator Post For valve sizes 4"-16" UL/ULC Listed 4"-16" FM Approved 4"-14"</p> 	Indicator Head, Bonnet	Ductile iron ASTM A536	N/A
	Bell, Wrench Nut adaptor	Ductile iron ASTM A536	N/A
	Operating Wrench	Ductile iron ASTM A536	N/A
	Upper, Lower Stems	Cold drawn steel	N/A
	Lower Barrel	PVC pipe	Ductile iron
	Hardware	Zinc plated steel	304, 316 stainless steel
	Target, Operating Nut	Bronze	N/A
	Set Screw, Pins, Snap Ring	Stainless steel	N/A
	Open/Shut Signs	Aluminum	N/A
	Window	Polycarbonate	N/A

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