



Supply Chain Update

May 2022

Critical Category Leadtime / Pricing Updates



Category – Direct Materials		
Sub Category	Lead-time impact	Price Impacts (Current)
US Pipe	13 weeks lead time for 6", 8" and 12" Tyton joint, Class 52 with standard coating. 16-weeks Larger diameter or zinc coated pipe will have a longer lead time. To ensure AW can maintain these lead times, work with US Pipe on your actual need dates, rather than demanding the fastest possible delivery on every order.	20-25%
Ductile Iron Fittings	Up to 16 week lead time	20-25%
Ductile Iron Castings	Up to 8-weeks for both imports & domestic	15%
Copper Pipe	8 week lead time	
Bingham & Taylor - Meter Lids/Pits	6-9 weeks for composite/plastic & cast iron material	27%
Bingham & Taylor Distributed by Core & Main		36%
AY McDonald	Meter Setters/Curb Box Lead Time extends beyond 24-weeks on orders (review weekly report)	17%
Ford	na	8%
Mueller Co- Hydrants	16-24 weeks	6% March 2022 & 6% May 2022
Mueller Co – Gate Valves	16-24 weeks	6% March 2022 & 6% May 2022
Pratt Valves (butterfly)	6-12 weeks	6% March 2022 & 6% May 2022
Core & Main (Urgent Pipe Needs Only)	~8-weeks	50-75%
PVC Pipe (Core & Main)	Force majeure lifted. Difficulty with resin supply. Depending upon manufacturer lead time is stock to 6-month lead time.	
HDPE Pipe (Core & Main)	Manufacturers claim Force Majeure due to distributions in global supply chain and transportation. Lead time extends to 16-weeks.	
American Pipe	4"-12" 26-weeks minimum, 4"-12" Zinc minimum 30-weeks, 16" or larger 26-weeks minimum	Yet to be determined
Supplied Industrial Solutions (SIS) - MBE, VBE, HUBZone Distributor of American Pipe	4"-12" 26-weeks minimum, 4"-12" Zinc minimum 30-weeks, 16" or larger 26-weeks minimum	50%

Category - Chemicals		
Sub Category	Lead-time impact	Price Impacts (Current)
Chlor Alkali Products - (Chlorine, Sodium Hypochlorite, Caustic Soda)	Increase to 7-14 days	2022 Price Increases in Coupa system - Some chemicals may be repriced in July or October as per bid sheet. Increases expected due to fuel surcharges and commodity increases
Aluminum Sulfate	Increase to 7-14 days	
Sulfuric Acid	Increase to 7-14 days	
Ferric / Polymer Blends	Increase to 7-14 days	
Ferric Chloride	Increase to 7-14 days	
Ferric Sulfate	Increase to 7-14 days	
HFS (Hydrofluorosilic acid)	Increase to 7-14 days	
Lime	Increase to 7-14 days	
Phosphates	Increase to 7-14 days	
Polymers	Increase to 7-14 days	
Poly Aluminum chloride	Increase to 7-14 days	

Category – MRO		
Sub Category	Lead-time impact	Price Impacts (Current)
HACH Lab Equipment and Supplies	SC 200 Controllers and Probes 60 days, SALT BRIDGES NO TIMEFRAME, Various Reagents 60 days, Pipettes TBD	HACH DIRECT 12% as of FEB 8 USA BB 20% as of Jan 28
General Lab Supplies	Minor delays in specific specialty Chemical Certain Pipette Tips...EPENDORF TBD	
General MRO	Large bottled Water orders, some RUSTOLEUM paints, electronic related components	USA BB 11% increase on April 10
Stainless Steel	Minimal	10% increase
PVC components	Minimal	TBD
Nitrile Gloves	Limited availability...size and mil constraints	Market Conditions
ICS Saw Bars	Improvement on components	5-10% April
Garments and Workwear	up to 90 days	5% increase
Other Plastic Components	Minimal	5-10% increase
Paints Lubricants	Minimal but some RUSTOLEUM spray paints have been discontinued due to resin and can shortages	5-10% increase

Category – Meters		
Sub Category	Lead-time impact	Price Impacts (Current)
Badger Meters	N/A	15-20% in June 2022
Badger Ultra Sonic 3-4"	Increased to 12 weeks, from 3-4 weeks	15-20% in June 2022
Badger MIU	Increased to 14-16 weeks, from 3-4 weeks	15-20% in June 2022
Nicor Composite Lids	Increased to 8-12 weeks, from 2-3 weeks	Total 32% = 20% started in April, 12% increase in July
Neptune Meters	Increased to 12 weeks for various meters	15% Price Increase April 2022
Sensus Omni Meters	Increased to 12 Weeks, from 4-6 weeks	
Sensus MIU	Increased to 40+ weeks, from 3-4 weeks	



Supply Chain Update

September 2022

Critical Category Leadtime / Pricing Updates

Category – Direct Materials		
Sub Category	Lead-time impact	Price Impacts (Current)
US Pipe	US Pipe is at a Minimum of ~13 weeks lead time for standard pipe, and 16 weeks for special sizes or coatings details on how to request a need by date for your pipe orders are below. With no action, your POs will arrive at US Pipe's system generated date. To ensure AW can maintain these lead times, work with US Pipe on your actual need dates, rather than demanding the fastest possible delivery on every order.	20-25%
Ductile Iron Fittings	8-weeks	20-25%
Ductile Iron Castings	8 weeks	15%
Copper Pipe	standard lead times are 2-weeks	
Bingham & Taylor - Meter Lids/Pits	6-9 weeks for composite/plastic & 9-12 weeks for cast iron material	27%
Bingham & Taylor Distributed by Core & Main		36%
Vestal Manufacturing	extended lead times continues (no lead time available)	
AY McDonald	Meter Setters/Curb Box Lead Time extends to ~30-weeks. Other brass material at extended lead times. See weekly report	~17%
Ford	36-weeks for meter setters. Ford restraint lines are at 2-8 weeks, 24" or larger diameter extend beyond 8 weeks.	8%
Mueller Co- Hydrants	Mueller Co is at a minimum of 16-24 weeks for hydrants and gate valves. With no action, your PO will arrive at Mueller Co's system generated date (typically 32-34 weeks for gate valves and 36-42 weeks for fire hydrants).	6% March 2022 & 6% May 2022
Mueller Co – Gate Valves	Mueller Co is at a minimum of 16-24 weeks for hydrants and gate valves. With no action, your PO will arrive at Mueller Co's system generated date (typically 32-34 weeks for gate valves and 36-42 weeks for fire hydrants).	6% March 2022 & 6% May 2022
Mueller Co - Brass	brass material up to 26-45 weeks	6% March 2022 & 6% May 2022
Pratt Valves (butterfly)	6-12 weeks	6% March 2022 & 6% May 2022
Core & Main (Urgent Pipe Needs Only)	~8-weeks	50-75%
PVC Pipe (Core & Main)	Depending upon manufacturer lead time is stock to 6-month lead time.	
HDPE Pipe (Core & Main)	Up to 12-weeks	
American Pipe	extended lead times continues (no lead time available)	Yet to be determined
Supplied Industrial Solutions (SIS) - MBE, VBE, HUBZone Distributor of American Pipe	extended lead times continues (no lead time available)	50%

Category - Chemicals		
Sub Category	Lead-time impact	Price Impacts (Current)
Chlor Alkali Products - (Chlorine, Sodium Hypo, Caustic Soda)	Increase to 7-14 days, shortages are possible	Mid-Year 2022 Price Increases in Coupa system - Some chemicals may be repriced in October as per bid sheet. Increases expected due to fuel surcharges and commodity increases
Aluminum Sulfate	Increase to 7-14 days	
Sulfuric Acid	Increase to 7-14 days	
Ferric / Polymer Blends	Increase to 7-14 days	
Ferric Chloride	Increase to 7-14 days	
Ferric Sulfate	Increase to 7-14 days	
HFS (Hydrofluorosilic acid)	Increase to 7-14 days	
Lime	Increase to 7-14 days	
Phosphates	Increase to 14-28 days	
Polymers	Increase to 7-14 days	
Poly Aluminum chloride	Increase to 7-14 days	
Carbon (PAC)	Increase to 14-28 days, supply is short	

Category – MRO		
Sub Category	Lead-time impact	Price Impacts (Current)
HACH Lab Equipment and Supplies	SC 200 Controllers and Probes 60 days, SALT BRIDGES NO TIMEFRAME, Various Reagents 60 days, Pipettes TBD	HACH DIRECT 12% as of FEB 8 USA BB 20% as of Jan 28
General Lab Supplies	Minor delays in specific speciality Chemical Certain Pipette Tips...EPPENDORF TBD	
General MRO	Large bottled Water orders, paints, electronic related components	Paper 6% August 1 Grainger Sept 6%
Stainless Steel	Minimal	10% increase
PVC components	Minimal	TBD
Nitrile Gloves	Limited availability...size and mil constraints	Market Conditions
ICS Saw Bars	Improvement on components	5-10% April
Garments and Workwear	up to 90 days	10% increase Aug 2022
Other Plastic Components	Minimal	5-10% increase
Paints Lubricants	Paints are seeing increased stockouts and lead times. RUSTOLEUM spray paints have been discontinued due to resin and can shortages	5-10% increase

Category – Meters		
Sub Category	Lead-time impact	Price Impacts (Current)
Badger Meters	Disc Series Meter	8 weeks
	5/8" – 1" Ultrasonic	18 weeks
	1.5" - 2" Ultrasonic	28 weeks
	3" – 8" Ultrasonic	24 weeks
	Fire Hydrant Meters	7 weeks
	LTE-M Endpoint	18 weeks
Nicor Composite Lids	LTE-MS Endpoint	20 weeks
Neptune Meters	2"-5/8" T-10	24 weeks
	3/4" T-10	14 weeks
	1" T-10	14 weeks
	1.5" T-10	10 weeks
	1.5" Mach 10	24 weeks
	2" T-10	10 weeks
	2" Mach 10	24 weeks
	Mach 10 3-12"	20 Weeks
R900 Cellular	6 Weeks	
Sensus Omni Meters & MIUs	Increased to 52+ weeks, from 40 weeks	8-15% Price Increase August 2022



Supply Chain Update

January 2023

Critical Category Leadtime / Pricing Updates

Category – Direct Materials		
Sub Category	Lead-time impact	Price Impacts (Current)
US Pipe	US Pipe is at a Minimum of ~13 weeks lead time for standard pipe, and 16-20 weeks for special sizes or coatings details on how to request a need by date for your pipe orders are below. With no action, your POs will arrive at US Pipe's system generated date. To ensure AW can maintain these lead times, work with US Pipe on your actual need dates, rather than demanding the fastest possible delivery on every order.	25%-50%
Ductile Iron Fittings	up to three months	20-25%
Ductile Iron Castings	up to three months	15%
Copper Pipe	standard lead time 2-weeks	
Bingham & Taylor - Meter Lids/Pits	6-9 weeks for composite/plastic & 9-12 weeks for cast iron material	27%
Bingham & Taylor Distributed by Core & Main		36%
Vestal Manufacturing	extended lead times continues (no lead time available)	
AY McDonald	Lead time for meter setters is 24 weeks. Average lead time for brass items ordered, if not in stock is at ~18 to 20 weeks	24%
Ford	33-35 weeks for meter setters. Ford Ductile Iron restraint lines are stock through 3-weeks, with the exception of 6" import at 6 weeks	20-30%
Mueller Co- Hydrants	21-26 weeks	12%
Mueller Co – Gate Valves	2"-4" 7 weeks, 6"-8" 3 weeks, 10"-12" 15-18 weeks, 14"-16" 4-6 weeks, 18"-24" 10-12 weeks, 30"-36" 8-10 weeks, 42"-54" contact Mueller Co for project lead times	12%
Mueller Co - Brass	brass material up to 26-48 weeks	12%
Pratt Valves (butterfly)	6-12 weeks	12%
Core & Main (Urgent Pipe Needs Only)	~8-weeks	50-75%
PVC Pipe (Core & Main)	Depending upon manufacturer lead time is stock to 3-month lead time.	
HDPE Pipe (Core & Main)	1 month-5 months (larger diameter has a longer lead time)	
American Pipe	extended lead times continues (50-weeks)	
Supplied Industrial Solutions (SIS) - MBE, VBE, HUBZone Distributor of American Pipe	extended lead times continues (no lead time available)	50%

Category - Chemicals		
Sub Category	Lead-time impact	Price Impacts (Current)
Chlor Alkali Products - (Chlorine, Sodium Hypo, Caustic Soda)	Increase to 14-28 days	Bid was 15-20% increase over 2023
Aluminum Sulfate	Increase to 7-14 days	
Sulfuric Acid	Increase to 7-14 days	
Ferric / Polymer Blends	Increase to 7-14 days	
Ferric Chloride	Increase to 7-14 days	
Ferric Sulfate	Increase to 7-14 days	
HFS (Hydrofluorosilic acid)	Increase to 7-14 days	
Lime	Increase to 7-14 days	
Phosphates	Increase to 14-28 days	
Polymers	Increase to 7-14 days	
Poly Aluminum chloride	Increase to 7-14 days	
Carbon (PAC)	Increase to 14-28 days, supply is short	
Permanganates (sodium, potassium)	*90 days +, supply is short due to Plant fire	

Category – MRO		
Sub Category	Lead-time impact	Price Impacts (Current)
HACH Lab Equipment and Supplies	Electronic related equipment, chemicals and reagents	HACH DIRECT 10-40% as of FEB 1 2023 USA BB 5-10 % as of Jan 15 2023
General Lab Supplies	Minor delays in specific speciality Chemical Certain Pipette Tips...EPPENDORF TBD	
General MRO	Large bottled Water orders, paints, electronic related components	USA BLUEBOOK Jan 15 2023 4% Grainger Jan 1 2023 4%
Stainless Steel	Minimal	10% increase
PVC components	Minimal	TBD
Nitrile Gloves	Improvement on sizes and mils	Market Conditions
ICS Saw Bars	Improvement on components	5-10% April
Garments and Workwear	Some improvement in size and lead times but still 60-90 days	10 % increase Aug 2022
Other Plastic Components	Minimal	5-10% increase
Paints Lubricants	Paints - deeper pigment colors like RED are in short supply and higher price points	5-10% increase

Category – Meters		
Sub Category	Lead-time impact	Price Impacts (Current)
Badger Meters	Disc Series Meter	8 weeks
	5/8" – 1" Ultrasonic	18 weeks
	1.5" - 2" Ultrasonic	28 weeks
	3" – 8" Ultrasonic	24 weeks
	Fire Hydrant Meters	7 weeks
	LTE-M Endpoint	18 weeks
Nicor Composite Lids	LTE-MS Endpoint	20 weeks
		Increased to 12-15 weeks, from 2-3 weeks
Neptune Meters	2"-5/8" T-10	24 weeks
	¾" T-10	14 weeks
	1" T-10	14 weeks
	1.5" T-10	10 weeks
	1.5 "Mach 10	24 weeks
	2" T-10	10 weeks
	2" Mach 10	24 weeks
	Mach 10 3-12"	20 Weeks
R900 Cellular	6 Weeks	
Sensus Omni Meters & MIUs	Increased to 52+ weeks, from 40 weeks	Due to chip shortage lead times are extended