



PRICE LIST 2017

effective September 1, 2016



SENTINEL™ Back Pressure Valves
SENTINEL™ Pressure Relief Valves
SENTINEL™ Calibration Columns
SENTINEL™ Injection Quills

BLACOH™
INDUSTRIES

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Note for all Back Pressure Valves:



- All valves come with PVC top. Stainless or CPVC also available upon request.
- All valves come with standard 5-150 PSI spring. If low pressure, 5-50 PSI (L) is required, add -L to end of part number. No price adder.
- BSP connections also available on select models (-BSP)
- Diaphragm materials available: ** = PTFE (-T), Viton (-V), EPDM (-E)
- **Part Number: *-** = Body material followed by diaphragm material** (example: -PVC-T)

Back Pressure Valves: NPT Connections or Socket (-SW)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VBP-025-*-**	1/4"	\$144.00	\$208.00	\$150.00	\$310.00	\$290.00	\$403.00	\$853.00	\$1,176.00
VBP-038-*-**	3/8"	\$144.00	\$208.00	\$150.00	\$310.00	\$290.00	\$403.00	\$853.00	\$1,176.00
VBP-049-*-**	1/2" mini	\$157.00	\$284.00	\$162.00	\$452.00	\$392.00	\$447.00	\$930.00	\$1,319.00
VBP-050-*-**	1/2"	\$266.00	\$335.00	\$278.00	\$576.00	\$467.00	\$524.00	\$1,187.00	\$1,910.00
VBP-075-*-**	3/4"	\$295.00	\$377.00	\$303.00	\$601.00	\$487.00	\$541.00	\$1,199.00	\$1,954.00
VBP-100-*-**	1"	\$382.00	\$523.00	\$389.00	\$732.00	\$637.00	\$700.00	\$1,476.00	\$2,105.00
VBP-150-*-**	1.5"	\$839.00	\$1,266.00	\$887.00	\$1,972.00	\$1,657.00	\$1,773.00	\$5,171.00	\$6,409.00
VBP-200-*-**	2"	\$949.00	\$1,397.00	\$1,001.00	\$2,046.00	\$1,727.00	\$1,853.00	\$6,307.00	\$6,409.00

Back Pressure Valves: Flanged ANSI 150# Connections (-F)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VBP-049-*-**-F	1/2" mini	\$200	\$335	\$555	\$820	\$1,905	\$1,315.00	CF	CF
VBP-050-*-**-F	1/2"	\$303.00	\$388.00	\$656.00	\$932.00	\$1,941.00	\$1,355.00	CF	CF
VBP-075-*-**-F	3/4"	\$335.00	\$434.00	\$668.00	\$1,026.00	\$1,941.00	\$1,381.00	CF	CF
VBP-100-*-**-F	1"	\$431.00	\$585.00	\$782.00	\$1,310.00	\$1,941.00	\$1,748.00	CF	CF
VBP-150-*-**-F	1.5"	\$873.00	\$1,329.00	CF	\$2,773.00	NA	\$3,104.00	CF	CF
VBP-200-*-**-F	2"	\$995.00	\$1,429.00	CF	\$3,253.00	NA	\$3,490.00	CF	CF

Back Pressure Valves: 3" & 4" Flanged Only (-F)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VBP-300-*-**-F	3"	\$2,457.00	\$3,559.00	CF	CF	NA	\$7,658.00	CF	CF
VBP-400-*-**-F	4"	\$2,457.00	\$3,559.00	CF	CF	NA	\$7,658.00	CF	CF

CF= Consult Factory, NA= Not Available

Note for all Back Pressure Valves:

- All valves come with PVC top. Stainless or CPVC also available upon request.
- All valves come with standard 5-150 PSI spring. If low pressure, 5-50 PSI (L) is required, add -L to end of part number. No price adder.
- BSP connections also available on select models (-BSP)
- Diaphragm materials available: ** = PTFE (-T), Viton (-V), EPDM (-E)
- **Part Number: *-** = Body material followed by diaphragm material** (example: -PVC-T)



Back Pressure Valves: Right Angle 90° NPT or Socket (-SW)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VBP90-025-*-**	1/4"	\$160.00	\$230.00	\$165.00	\$330.00	\$315.00	\$420.00	\$880.00	\$1,180.00
VBP90-038-*-**	3/8"	\$160.00	\$230.00	\$165.00	\$330.00	\$315.00	\$420.00	\$880.00	\$1,180.00
VBP90-049-*-**	1/2" mini	\$165.00	\$290.00	\$175.00	\$440.00	\$395.00	\$460.00	\$960.00	\$1,380.00
VBP90-050-*-**	1/2"	\$285.00	\$365.00	\$290.00	\$585.00	\$500.00	\$555.00	\$1,210.00	\$1,910.00
VBP90-075-*-**	3/4"	\$315.00	\$400.00	\$320.00	\$610.00	\$525.00	\$575.00	\$1,240.00	\$1,950.00
VBP90-100-*-**	1"	\$390.00	\$525.00	\$400.00	\$750.00	\$675.00	\$750.00	\$1,530.00	\$2,140.00

Back Pressure Valves: Right Angle 90° #150 ANSI Flanged (-F)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VBP90-049-*-**-F	1/2" mini	\$237.00	\$395.00	\$775.00	\$1,015.00	\$2,670.00	\$1,770.00	CF	CF
VBP90-050-*-**-F	1/2"	\$355.00	\$470.00	\$890.00	\$1,140.00	\$2,755.00	\$1,790.00	CF	CF
VBP90-075-*-**-F	3/4"	\$380.00	\$505.00	\$960.00	\$1,270.00	\$2,755.00	\$1,860.00	CF	CF
VBP90-100-*-**-F	1"	\$480.00	\$645.00	\$1,040.00	\$1,655.00	\$2,755.00	\$2,290.00	CF	CF

Back Pressure Valves: High Pressure 50-350 PSI, NPT or Socket (-SW)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VBP-025-*-**-H	1/4"	NA	NA	NA	NA	NA	\$583.00	\$1,008.00	\$1,322.00
VBP-038-*-**-H	3/8"	NA	NA	NA	NA	NA	\$583.00	\$1,008.00	\$1,322.00
VBP-049-*-**-H	1/2" mini	NA	NA	NA	NA	NA	\$627.00	\$1,083.00	\$1,460.00
VBP-050-*-**-H	1/2"	NA	NA	NA	NA	NA	\$786.00	\$1,414.00	\$2,115.00
VBP-075-*-**-H	3/4"	NA	NA	NA	NA	NA	\$803.00	\$1,425.00	\$2,158.00
VBP-100-*-**-H	1"	NA	NA	NA	NA	NA	\$962.00	\$1,694.00	\$2,304.00

CF= Consult Factory, NA= Not Available

Note for all Back Pressure Valves:

- All valves come with PVC top. Stainless or CPVC also available upon request.
- All valves come with standard 5-150 PSI spring. If low pressure, 5-50 PSI (L) is required, add -L to end of part number. No price adder.
- BSP connections also available on select models (-BSP)
- Diaphragm materials available: ** = PTFE (-T), Viton (-V), EPDM (-E)
- **Part Number: *-** = Body material followed by diaphragm material** (example: -PVC-T)



Back Pressure Valves: High Flow NPT or Socket (-SW)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VBPHF-050-*-*	1/2"	\$371.00	\$625.00	\$381.00	\$739.00	\$670.00	\$677.00	\$1,644.00	\$2,072.00
VBPHF-075-*-*	3/4"	\$400.00	\$649.00	\$410.00	\$764.00	\$694.00	\$709.00	\$1,790.00	\$3,550.00
VBPHF-100-*-*	1"	\$748.00	\$1,307.00	\$812.00	\$1,402.00	\$1,278.00	\$1,652.00	\$4,731.00	\$7,456.00

Back Pressure Valves: Unibody Series

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VB PUB-050-*-*	1/2"	\$221.00	\$393.00	CF	CF	NA	NA	NA	NA
VB PUB-075-*-*	3/4"	\$352.00	\$502.00	CF	CF	NA	NA	NA	NA
VB PUB-100-*-*	1"	\$462.00	\$669.00	CF	CF	NA	NA	NA	NA

Back Pressure Valves: Union Connections (-U)

Standard O-Ring is Viton

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VBP-049-*-*U	1/2" mini	\$224.00	\$397.00	CF	CF	NA	NA	NA	NA
VBP-050-*-*U	1/2"	\$333.00	\$449.00	CF	CF	NA	NA	NA	NA
VBP-075-*-*U	3/4"	\$356.00	\$507.00	CF	CF	NA	NA	NA	NA
VBP-100-*-*U	1"	\$467.00	\$676.00	CF	CF	NA	NA	NA	NA
VBP-150-*-*U	1.5"	\$1,039.00	\$1,671.00	CF	CF	NA	NA	NA	NA
VBP-200-*-*U	2"	\$1,343.00	\$2,115.00	CF	CF	NA	NA	NA	NA

CF= Consult Factory, NA= Not Available

Note for all Pressure Relief Valves:

- All valves come with PVC top. Stainless or CPVC also available upon request.
- All valves come with standard 5-150 PSI spring. If low pressure, 5-50 PSI (L) is required, add -L to end of part number. No price adder.
- BSP connections also available on select models (-BSP)
- Diaphragm materials available: **= PTFE (-T), Viton (-V), EPDM (-E)
- **Part Number: *-** = Body material followed by diaphragm material** (example: -PVC-T)



Pressure Relief Valves: NPT Connection or Socket (-SW)

3 Port: 1/4 - 1" inlets; 2 Port: 1.5 & 2" inlets

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VPR-025-*-**	1/4"	\$163.00	\$232.00	\$169.00	\$336.00	\$319.00	\$419.00	\$887.00	\$1,184.00
VPR-038-*-**	3/8"	\$163.00	\$232.00	\$169.00	\$336.00	\$319.00	\$419.00	\$887.00	\$1,184.00
VPR-049-*-**	1/2" mini	\$165.00	\$308.00	\$174.00	\$462.00	\$410.00	\$470.00	\$967.00	\$1,389.00
VPR-050-*-**	1/2"	\$291.00	\$382.00	\$295.00	\$589.00	\$508.00	\$564.00	\$1,220.00	\$1,910.00
VPR-075-*-**	3/4"	\$318.00	\$411.00	\$321.00	\$615.00	\$543.00	\$585.00	\$1,247.00	\$1,954.00
VPR-100-*-**	1"	\$410.00	\$537.00	\$415.00	\$762.00	\$704.00	\$761.00	\$1,537.00	\$2,105.00
VPR-150-*-**	1.5"	\$839.00	\$1,266.00	\$887.00	\$1,972.00	\$1,657.00	\$1,773.00	\$5,171.00	\$6,409.00
VPR-200-*-**	2"	\$949.00	\$1,397.00	\$1,001.00	\$2,046.00	\$1,727.00	\$1,853.00	\$6,307.00	\$6,409.00

Pressure Relief Valves: ANSI 150# Flanged (-F)

3 Port: 1/2- 1" inlets; 2 Port: 1.5 & 2" inlets

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VPR-049-*-**-F	1/2" mini	\$237.00	\$395.00	\$775.00	\$1,015.00	\$2,670.00	\$1,717.00	CF	CF
VPR-050-*-**-F	1/2"	\$350.00	\$461.00	\$870.00	\$1,114.00	\$2,755.00	\$1,748.00	CF	CF
VPR-075-*-**-F	3/4"	\$378.00	\$501.00	\$940.00	\$1,240.00	\$2,755.00	\$1,816.00	CF	CF
VPR-100-*-**-F	1"	\$476.00	\$635.00	\$1,016.00	\$1,614.00	\$2,755.00	\$2,231.00	CF	CF
VPR-150-*-**-F	1.5"	\$873.00	\$1,329.00	CF	\$2,773.00	NA	\$3,104.00	CF	CF
VPR-200-*-**-F	2"	\$995.00	\$1,429.00	CF	\$3,253.00	NA	\$3,490.00	CF	CF

Pressure Relief Valves: 2 Port 3" & 4" ANSI 150# Flanged (-F)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VPR-300-*-**-F	3"	\$2,457.00	\$3,559.00	CF	CF	NA	\$7,658.00	CF	CF
VPR-400-*-**-F	4"	\$2,457.00	\$3,559.00	CF	CF	NA	\$7,658.00	CF	CF

CF= Consult Factory, NA= Not Available

Note for all Pressure Relief Valves:

- All valves come with PVC top. Stainless or CPVC also available upon request.
- All valves come with standard 5-150 PSI spring. If low pressure, 5-50 PSI (L) is required, add -L to end of part number. No price adder.
- BSP connections also available on select models (-BSP)
- Diaphragm materials available: **= PTFE (-T), Viton (-V), EPDM (-E)
- **Part Number: *-** = Body material followed by diaphragm material** (example: -PVC-T)



Pressure Relief Valves: 2 Port Right Angle 90° NPT or Socket (-SW)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VPR90-025-*-*	1/4"	\$144.00	\$208.00	\$150.00	\$310.00	\$290.00	\$403.00	\$853.00	\$1,176.00
VPR90-038-*-*	3/8"	\$144.00	\$208.00	\$150.00	\$310.00	\$290.00	\$403.00	\$853.00	\$1,176.00
VPR90-049-*-*	1/2" mini	\$157.00	\$284.00	\$162.00	\$452.00	\$392.00	\$447.00	\$930.00	\$1,319.00
VPR90-050-*-*	1/2"	\$266.00	\$335.00	\$278.00	\$576.00	\$467.00	\$524.00	\$1,187.00	\$1,910.00
VPR90-075-*-*	3/4"	\$295.00	\$377.00	\$303.00	\$601.00	\$487.00	\$541.00	\$1,199.00	\$1,954.00
VPR90-100-*-*	1"	\$382.00	\$523.00	\$389.00	\$732.00	\$637.00	\$700.00	\$1,476.00	\$2,105.00
VPR90-150-*-*	1.5"	CF	CF	CF	CF	CF	CF	CF	CF
VPR90-200-*-*	2"	CF	CF	CF	CF	CF	CF	CF	CF

Pressure Relief Valves: 2 Port Right Angle 90° ANSI 150# Flanged (-F)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VPR90-050-*-*F	1/2"	\$303.00	\$388.00	\$656.00	\$932.00	\$2,755.00	\$1,355.00	CF	CF
VPR90-075-*-*F	3/4"	\$335.00	\$434.00	\$668.00	\$1,026.00	\$2,755.00	\$1,381.00	CF	CF
VPR90-100-*-*F	1"	\$431.00	\$585.00	\$782.00	\$1,310.00	\$2,755.00	\$1,748.00	CF	CF
VPR90-150-*-*F	1.5"	CF	CF	CF	CF	CF	CF	CF	CF
VPR90-200-*-*F	2"	CF	CF	CF	CF	CF	CF	CF	CF

Pressure Relief Valves: 2 Port High Flow NPT or Socket (-SW)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VPRHF-025-*-*	1/2"	NA	NA	NA	NA	NA	NA	\$1,644.00	\$2,072.00
VPRHF-075-*-*	3/4"	NA	NA	NA	NA	NA	NA	\$1,790.00	\$3,550.00
VPRHF-100-*-*	1"	NA	NA	NA	NA	NA	NA	\$4,731.00	\$7,456.00

CF= Consult Factory, NA= Not Available

Note for all Pressure Relief Valves:

- All valves come with PVC top. Stainless or CPVC also available upon request.
- All valves come with standard 5-150 PSI spring. If low pressure, 5-50 PSI (L) is required, add -L to end of part number. No price adder.
- BSP connections also available on select models (-BSP)
- Diaphragm materials available: **= PTFE (-T), Viton (-V), EPDM (-E)
- **Part Number: *-** = Body material followed by diaphragm material** (example: -PVC-T)



Pressure Relief Valves: 3 Port High Pressure 50-350 PSI, NPT or Socket (-SW)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VPR-025-*-**-H	1/4"	NA	NA	NA	NA	NA	\$599.00	\$1,041.00	\$1,329.00
VPR-038-*-**-H	3/8"	NA	NA	NA	NA	NA	\$599.00	\$1,041.00	\$1,329.00
VPR-049-*-**-H	1/2" mini	NA	NA	NA	NA	NA	\$650.00	\$1,119.00	\$1,528.00
VPR-050-*-**-H	1/2"	NA	NA	NA	NA	NA	\$826.00	\$1,446.00	\$2,115.00
VPR-075-*-**-H	3/4"	NA	NA	NA	NA	NA	\$847.00	\$1,472.00	\$2,158.00
VPR-100-*-**-H	1"	NA	NA	NA	NA	NA	\$1,023.00	\$1,753.00	\$2,304.00

Pressure Relief Valves: 2 Port NPT or Socket (-SW)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VPR2P-025-*-**	1/4"	\$144.00	\$208.00	\$150.00	\$310.00	\$290.00	\$403.00	\$853.00	\$1,176.00
VPR2P-038-*-**	3/8"	\$144.00	\$208.00	\$150.00	\$310.00	\$290.00	\$403.00	\$853.00	\$1,176.00
VPR2P-049-*-**	1/2" mini	\$157.00	\$284.00	\$162.00	\$452.00	\$392.00	\$447.00	\$930.00	\$1,319.00
VPR2P-050-*-**	1/2"	\$266.00	\$335.00	\$278.00	\$576.00	\$467.00	\$524.00	\$1,187.00	\$1,910.00
VPR2P-075-*-**	3/4"	\$295.00	\$377.00	\$303.00	\$601.00	\$487.00	\$541.00	\$1,199.00	\$1,954.00
VPR2P-100-*-**	1"	\$382.00	\$523.00	\$389.00	\$732.00	\$637.00	\$700.00	\$1,476.00	\$2,105.00

Pressure Relief Valves: 2 Port ANSI #150 Flanged (-F)

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VPR2P-049-*-**-F	1/2" mini	\$200.00	\$335	\$555.00	\$820.00	\$1,905.00	\$1,315.00	CF	CF
VPR2P-050-*-**-F	1/2"	\$303.00	\$388.00	\$656.00	\$932.00	\$1,941.00	\$1,355.00	CF	CF
VPR2P-075-*-**-F	3/4"	\$335.00	\$434.00	\$668.00	\$1,026.00	\$1,941.00	\$1,381.00	CF	CF
VPR2P-100-*-**-F	1"	\$431.00	\$585.00	\$782.00	\$1,310.00	\$1,941.00	\$1,748.00	CF	CF
VPR2P-150-*-**-F	1.5"	CF	CF	CF	CF	CF	CF	CF	CF
VPR2P-200-*-**-F	2"	CF	CF	CF	CF	CF	CF	CF	CF

CF= Consult Factory, NA= Not Available

Note for all Pressure Relief Valves:

- All valves come with PVC top. Stainless or CPVC also available upon request.
- All valves come with standard 5-150 PSI spring. If low pressure, 5-50 PSI (L) is required, add -L to end of part number. No price adder.
- BSP connections also available on select models (-BSP)
- Diaphragm materials available: **= PTFE (-T), Viton (-V), EPDM (-E)
- **Part Number: *-** = Body material followed by diaphragm material** (example: -PVC-T)

**Pressure Relief Valves: 2 Port Union Connections (-U)**

Standard O-Ring is Viton

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VPR-049-*-**-U	1/2" mini	\$265.00	\$478.00	CF	CF	NA	NA	NA	NA
VPR-050-*-**-U	1/2"	\$390.00	\$550.00	CF	CF	NA	NA	NA	NA
VPR-075-*-**-U	3/4"	\$408.00	\$604.00	CF	CF	NA	NA	NA	NA
VPR-100-*-**-U	1"	\$538.00	\$766.00	CF	CF	NA	NA	NA	NA
VPR-150-*-**-U	1.5"	\$1,039.00	\$1,671.00	CF	CF	NA	NA	NA	NA
VPR-200-*-**-U	2"	\$1,343.00	\$2,115.00	CF	CF	NA	NA	NA	NA

Pressure Relief Valves: 2 Port Right Angle 90° Union (-U)

Standard O-Ring is Viton

Part No.	Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (PTFE)	316 SS (SS)	Alloy 20 (A20)	Hast C (H276)
VPR90-049-*-**-U	1/2" mini	\$224.00	\$397.00	CF	CF	NA	NA	NA	NA
VPR90-050-*-**-U	1/2"	\$333.00	\$449.00	CF	CF	NA	NA	NA	NA
VPR90-075-*-**-U	3/4"	\$356.00	\$536.00	CF	CF	NA	NA	NA	NA
VPR90-100-*-**-U	1"	\$467.00	\$676.00	CF	CF	NA	NA	NA	NA
VPR90-150-*-**-U	1.5"	\$1,039.00	\$1,671.00	CF	CF	NA	NA	NA	NA
VPR90-200-*-**-U	2"	\$1,343.00	\$2,115.00	CF	CF	NA	NA	NA	NA

CF= Consult Factory, NA= Not Available

Note for all Calibration Columns:

- All Columns come with Viton O-Rings, if EPDM O-Ring is required, add -E to the end of the part number.
- BSP connections also available on select models (-BSP).
- Max Column pressure is 15 PSI.

**PVC Calibration Columns: NPT or Socket (-SW)**

Part No.	Size	Capacity	Connections	Sealed (S)	Loose Top (L)	Removable (R)
CP-100_	100 mL	3.2 GPH	1/2"	\$72.00	\$72.00	\$80.00
CP-200_	200 mL	6.4 GPH	1/2"	\$84.00	\$84.00	\$93.00
CP-500_	500 mL	16 GPH	3/4"	\$97.00	\$97.00	\$104.00
CP-1000_	1000 mL	32 GPH	3/4"	\$117.00	\$117.00	\$124.00
CP-2000_	2000 mL	64 GPH	1"	\$179.00	\$179.00	\$189.00
CP-4000_	4000 mL	127 GPH	1"	\$249.00	\$249.00	\$269.00
CP-10K_	10000 mL	320 GPH	2"	\$568.00	\$568.00	NA
CP-20K_	20000 mL	640 GPH	2"	\$681.00	\$681.00	NA

PVC Calibration Columns: ANSI #150 Flanged (-F) or Union (-U)

Part No.	Size	Capacity	Connections	Flanged (-F)	Union (-U)	Ball Valve (-BV)
CP-100	100 mL	3.2 GPH	1/2"	\$110.00	CF	CF
CP-200	200 mL	6.4 GPH	1/2"	\$122.00	CF	CF
CP-500	500 mL	16 GPH	3/4"	\$138.00	CF	CF
CP-1000	1000 mL	32 GPH	3/4"	\$158.00	CF	CF
CP-2000	2000 mL	64 GPH	1"	\$230.00	CF	CF
CP-4000	4000 mL	127 GPH	1"	\$300.00	CF	CF
CP-10K	10000 mL	320 GPH	2"	\$643.00	CF	CF
CP-20K	20000 mL	640 GPH	2"	\$756.00	CF	CF

Glass Calibration Columns: NPT or Socket (-SW)

Part No.	Size	Capacity	Connections	PVC (PVC)	CPVC (CPVC)	PP (PP)	PTFE (T)	PVDF (PVDF)	316 SS (SS)
CG-_100	100 mL	3.2 GPH	1/2"	\$252.00	\$325.00	\$265.00	\$372.00	\$454.00	\$447.00
CG-_200	200 mL	6.4 GPH	1/2"	\$263.00	\$338.00	\$276.00	\$382.00	\$465.00	\$459.00
CG-_500	500 mL	16 GPH	3/4"	\$362.00	\$520.00	\$377.00	\$513.00	\$668.00	\$619.00
CG-_1000	1000 mL	32 GPH	3/4"	\$402.00	\$576.00	\$419.00	\$552.00	\$710.00	\$665.00
CG-_2000	2000 mL	64 GPH	1"	\$641.00	\$1,094.00	\$690.00	\$956.00	\$1,358.00	\$1,225.00
CG-_4000	4000 mL	127 GPH	1"	\$710.00	\$1,180.00	\$757.00	\$1,023.00	\$1,423.00	\$1,283.00
CG-_10K	10000 mL	320 GPH	2"	\$3123.00	\$3451.00	\$3123.00	\$4354.00	\$6096.00	\$5082.00
CG-_20K	20000 mL	640 GPH	2"	\$3554.00	\$4349.00	\$3554.00	\$5290.00	\$7020.00	\$6030.00

CF= Consult Factory, NA= Not Available

Note for all Injection Quills:

- All Quills come with Hastelloy C spring loaded PTFE ball check, removable valve seat, tru-union body connection with o-ring seal, and 1/2" inlet.
- BSP connections also available on select models (-BSP).
- Add -V (Viton) or -E (EPDM) for o-ring at the end of the part number.
- Add -X to end of part number to remove Hastelloy C spring for peristaltic pump applications.
- Max Quill injection pressures up to 1,000 PSI.

**Injection Quills (Serviceable)**

Part No.	Length	Quill Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (T)	316 SS (SS)
IQ_050	4"	1/2"	\$150.00	\$179.00	\$165.00	\$368.00	CF	\$361.00
IQ_075	4"	3/4"	\$164.00	\$190.00	\$174.00	\$626.00	CF	\$424.00
IQ_100	4"	1"	\$164.00	\$190.00	\$174.00	\$626.00	CF	\$443.00
IQ_150	6"	1.5"	\$546.00	\$734.00	CF	\$2,173.00	CF	CF
IQ_200	6"	2"	\$577.00	\$771.00	CF	\$2,668.00	CF	CF

Adder for Longer Quills (\$ per inch)

Quill Size	PVC (PVC)	CPVC (CPVC)	PP (PP)	PVDF (PVDF)	PTFE (T)	316 SS (SS)
1/2"	\$1.00	\$1.50	\$1.25	\$4.00	CF	\$4.00
3/4"	\$1.50	\$2.00	\$1.75	\$5.00	CF	\$5.00
1"	\$1.50	\$2.00	\$1.75	\$5.00	CF	\$5.00
1.5"	\$2.50	\$3.00	CF	CF	CF	CF
2"	\$3.50	\$4.00	CF	CF	CF	CF

CF= Consult Factory, NA= Not Available