INSERTAVALVE 2.0™

Transmate
a Division of Romac Industries, Inc.

INSERTA VALVE 2.0

QUICK. SIMPLE. ROBUST.

- 10"– 12" installations in cast iron, ductile iron, A/C, PVC C900, IPS PVC, and steel pipe.
- No Loss of Pressure.
- One plug, one cutter per size.
- AWWA C509/C515 standard number of turns to close.
- Rated up to 250 PSI working pressure.

MADE IN U.S.A.

INSERTAVALVE 2.0™ SLEEVE

MATERIAL SPECIFICATIONS

GENERAL: The fabricated sleeve will ensure a 360 degree seal around the pipe under working pressures up to 250 psi. It will accommodate the equipment and fixtures to drill the pipe and install the valve assembly without any interruption in water service.

SLEEVE: Made of 304L Stainless Steel Per ASTM A240. Chemically passivated for corrosion protection. Machined neck ID for tight plug seal.

FLANGE: Cast stainless steel.

FLANGE O-RING: EPDM rubber, 70 durometer, NSF61 certified.

BOLTS AND NUTS: 304 stainless steel bolts and nuts meeting ASTM A276. Type 316 stainless fasteners available as an option.

LUGS: Sleeve sidebar lugs will properly align the sleeve halves during installation, provide a bolting surface, and assure a 360-degree seal. The lugs will prevent excessive stress on the pipe and minimize distortion of flexible (PVC) pipe.

MAT GASKETS: Made of Styrene Butadiene Rubber (SBR) compounded for potable water service in accordance with ASTM D2000 and NSF61 certified. The gaskets provide a positive 360-degree seal on the pipe and assure a tight, durable, and resilient seal.

ARMORS: Heavy gauge type 304 stainless steel armor plates.

COVER PLATE: ASTM A36 mild steel. Coated with NSF61 certified fusion bonded epoxy per AWWA C213.

CROSS PINS: Type 416 stainless steel, heat treated for strength.

CROSS PIN AND COVER PLATE O RINGS: EPDM rubber, 70 durometer, NSF 61 certified.

CORP STOP: 3/4 IP x 3/4 IP corp. stop, ball type, no lead.

THRUST WASHER: Nylon

INSERTAVALVE 2.0™ ASSEMBLY

MATERIAL SPECIFICATIONS

GENERAL: The IVS 2.0™ insertion valve is designed to be installed under pressure and under flow conditions without any interruption of water service. The IVS 2.0™ acts as a water control device giving an effective shutoff of the flow of water. Designed for 250 psi maximum working pressure, 375 psi test on 10 and 12" pipe including cast iron, ductile iron, C900 PVC, IPS PVC, AC and steel. The IVS 2.0 valve is actuated without the need for a gearbox and uses the standard number of turns to close per AWWA C509/C515.

PLUG: Plug Body is Ductile Iron per ASTM A536 65-45-12. Coated with liquid epoxy. Expanding main seal NBR-75 shore A rubber. NSF-61 certified.

VALVE STEM AND STEM NUT: Manufactured of high strength bronze suitable for valve stems and nuts.

BOLTS AND NUTS: Type 304 stainless steel bolts, nuts, and washers. Type 316 stainless steel bolts, nuts, and washers optional.

Manufactured with Domestic and Import material. For Domestic requirements please contact our Quotations Department.
JUNE 12, 2026

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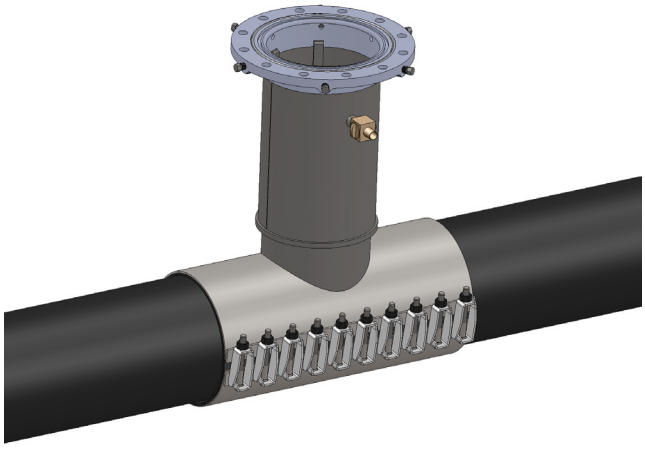
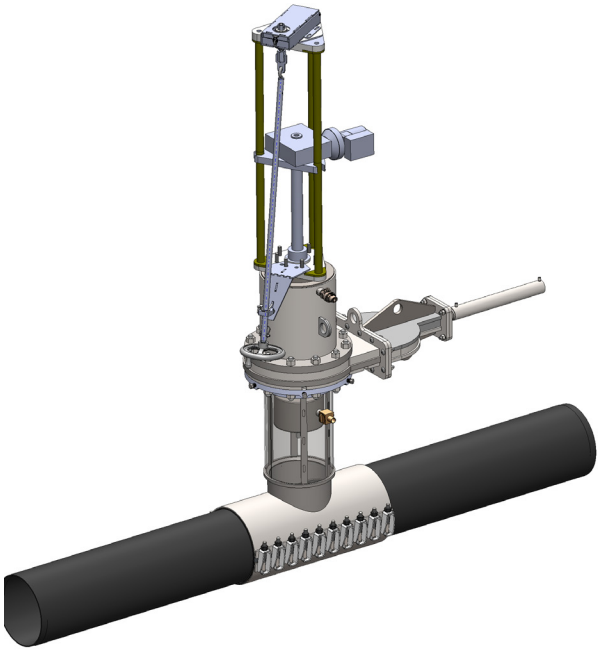
For more information on the InsertaValve 2.0™ Machine, please contact your regional Romac Customer Service at 1-800-426-9341

EASY INSTALLATION

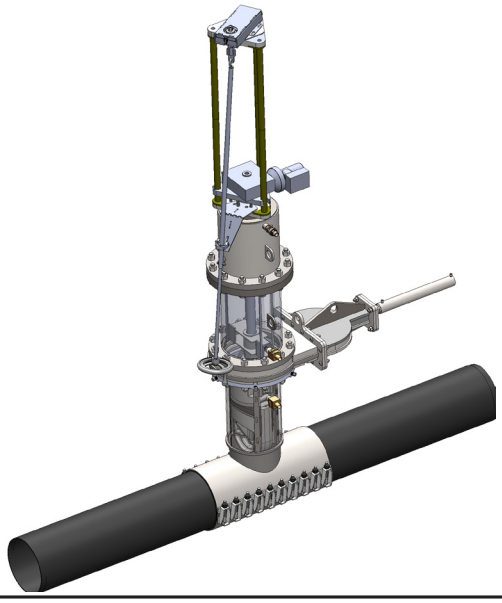
1 **INSTALL THE INSERTAVALVE 2.0™ SLEEVE ON TO THE PIPE.**



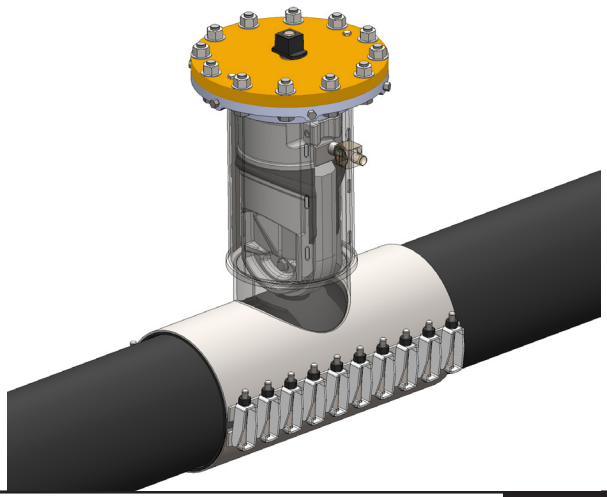
2 **MOUNT THE SLIDE GATE ASSEMBLY & DRILLING MACHINE. DRILL PIPE AND CLOSE THE SLIDE GATE.**



3 **INSTALL PLUG. TIGHTEN CROSSPINS.**



4 **REMOVE EQUIPMENT. INSTALL COVERPLATE AND OPERATING NUT.**



INSERTAVALVE 2.0™

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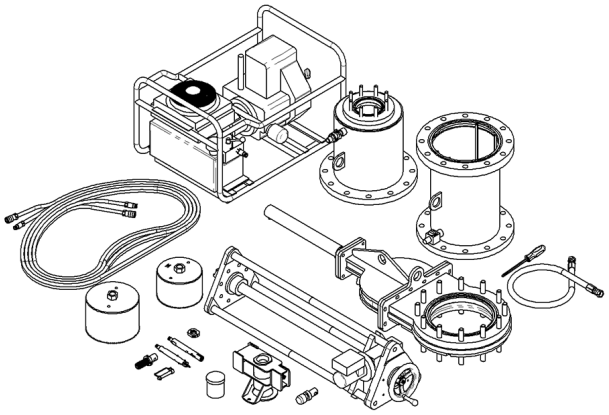
ITEM NUMBER	DESCRIPTION	LIST PRICE
312-00-HPU	InsertaValve 2.0™ Installation Equipment for 10" & 12" (Base Machine, Storage Box, Accessories, 8200HPU)	$99,828.72

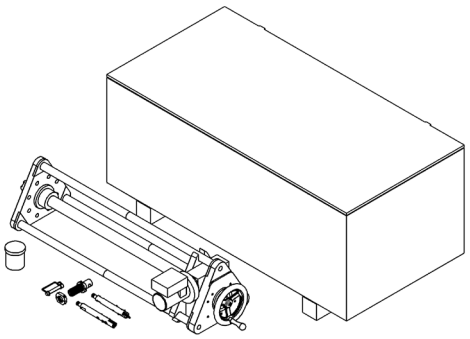
THE FOLLOWING ARE INCLUDED:
- 3-Rail tapping machine with Accessories and Storage Box (312-71TT)
- Installation Alignment Tool (312-59)
- Installation Adapter Shaft (312-90)
- Shell cutter -10", Actual OD = 8-7/8" (312-1071)
- Shell cutter -12", Actual OD = 10 1/2" (312-1084)
- Adapter Bell (312-67) • Installation Canister (312-01)
- HPU 8200 Hydraulic Base Power Unit (372-82000-01) and Hoses (372-02-05). • Slide Gate Assembly (312-00-2)
- Assorted fasteners, gaskets, and job site training

Sleeve and valve not included



ITEM NUMBER	DESCRIPTION	LIST PRICE
312-71TT	3-Rail Tapping Machine with Accessories and Storage Box	$45,805.22

THE FOLLOWING ARE INCLUDED:
- Clevis Pin with Square Retainer and Loop (312-91-5)
- Jam Nut for cutters (350-52) Shaft nose (360-22)
- Shell cutter shaft adapter (312-91)
- Shaft nose w/ spade bit (358-68)
- PVC Pilot Complete (358-84) • Hex Driver (312-99-SD)
- Tech-Lube Lubricant Tapping Compound (353-10-1)
- Cutter adapter setting spacer (312-91-SP)
- Operating Manual (IVS-2.0-MANUAL)



ITEM NUMBER	DESCRIPTION	LIST PRICE
	BASE MACHINE	
312-71TT	3-RAIL TAPPING MACHINE WITH STORAGE BOX	$45,805.22
312-91-5	CLEVIS PIN WITH SQUARE RETAINER AND LOOP	61.80
350-52	JAM NUT FOR CUTTERS	98.78
350-52-1	JAM NUT SCREW 1/4-28 X 34	2.10
358-68	SHAFT NOSE WITH SPADE BIT	926.14
358-84	PVC PILOT COMPLETE	1,030.02
312-91	SHELL CUTTER SHAFT ADAPTER	512.54
353-10-1	TECH-LUBE LUBRICANT TAPPING COMPOUND	56.44
312-91-SP	CUTTER ADAPTER SETTING SPACER - 3 EACH	5.00
312-99-SD	BALL END HEX SCREWDRIVER, 3/8 SIZE, 11-1/4 OA LENGTH	48.20
	CUTTERS	
312-01-1071	SHELL CUTTER - 10", ACTUAL OD = 8-7/8"	4,247.46
312-01-1084	SHELL CUTTER - 12", ACTUAL OD = 10 1/2"	5,255.79
	HYDRAULIC DRIVE	
372-82000-01	8200 HPU HYDRAULIC BASE POWER UNIT (see pg.TM-27)	13,286.22
372-02-05	HD 1/2 IN. HOSE X 20 FT W/ QDC	1,391.79
	10 & 12" VALVE INSERTION EQUIPMENT	
312-00-2	SLIDE GATE ASSEMBLY	14,459.70
312-67A	ADAPTER BELL ASSEMBLY	4,193.28
312-01A	INSTALLATION CANNISTER ASSEMBLY	4,393.01
312-59	INSTALLATION ALIGNMENT TOOL	1,864.69
312-90	INSTALLATION ADAPTER SHAFT	210.16
358-69	BY-PASS HOSE, 3/4 X 6 FT	238.63
8FB-EB612X78	EYE BOLT, 316SS 1/2-13 X 7/8" SHANK	55.70
8R312E-457	O-RING SIZE 457	26.10
8R312E-437	O-RING SIZE 437	17.88
	3-RAIL TAPPING MACHINE IN-TRENCH OPERATION, ADD ON	
312-58	CHAIN DRIVE WITH TELESCOPING DRIVE SHAFT AND SHAFT GUIDE	2,402.15
	QVS VALVE INSERTION USING 3-RAIL TAPPING MACHINE	
312-364A	3-RAIL MACHINE ADAPTERS FOR QVS INSERTION	5,922.92
312-67Q	QVS ADAPTER BELL	4,079.98
312-59Q	QVS INSTALLATION TOOL	1,627.69
312-69	QVS BLIND FLANGE INSERTION ADAPTER	215.25

Manufactured with Domestic and Import material. For Domestic requirements please contact our Quotations Department.

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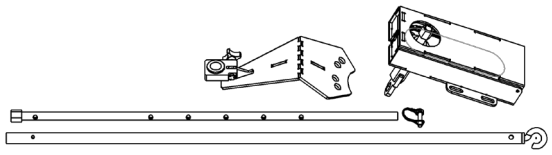
INSERTAVALVE 2.0™

ITEM NUMBER	DESCRIPTION	LIST PRICE
312-58	3-Rail Tapping Machine In-Trench Operation, Add-On	2,402.15

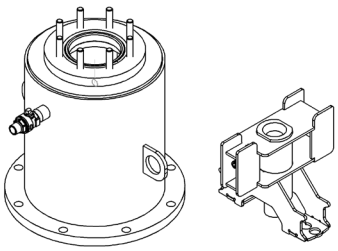
ALLOWS FOR OPERATION OF TAPPING MACHINE FROM THE GROUND WHEN DOING VERTICAL VALVE INSERTIONS.



ITEM NUMBER	DESCRIPTION	LIST PRICE
312-364A	3-Rail Tapping Machine Adapters for QuikValve System Insertion	5,922.92

PROVIDES ADAPTERS NEEDED TO INSTALL 4", 6", AND 8" QUICKVALVE SYSTEM VALVES USING AN INSERTAVALVE 2.0 3 RAIL TAPPING MACHINE.
THIS IS AN ADD-ON PACKAGE FOR CUSTOMERS WHO ALREADY HAVE AN IVS 2.0 TAPPING MACHINE (312-71TT) AND STANDARD QVS EQUIPMENT (364-00).
THE FOLLOWING ACCESSORIES ARE INCLUDED:

- Adapter bell (312-67Q)
- Installation tool (312-59Q)
- Blind Flange Adapter (312-69)



ITEM NUMBER	DESCRIPTION	LIST PRICE
312-02	QVS 4" Valve Insertion Add-On Package for use with 3-Rail Tapping Machine	11,102.22

PROVIDES EQUIPMENT NEEDED TO INSTALL 4IN QUICKVALVE SYSTEM VALVES WITH AN IVS 2.0 TAPPING MACHINE. THIS IS AN ADD-ON KIT FOR CUSTOMERS WHO ALREADY HAVE AN IVS 2.0 TAPPING MACHINE (312-71TT) AND QVS 6&8" VALVE INSERTION STARTUP KIT FOR USE WITH 3-RAIL TAPPING MACHINE (312-68Q).
THE FOLLOWING IS INCLUDED:

- TM,Carbide Cutter,4 In. Actual OD =3-1/2 In.
- QVIM,Cutter,4.0 O.D.
- QVIM,Cutter,4.275 O.D.
- QVIM,4 Blind Flange,Complete
- QVR,Quikvalve 4 Reamer Complete
- QVSG,4 Adapter Flange Complete
- QVR,4 Reamer Sizing Ring Inc. Screws
- QVSG,Sleeve Flange Plug 4 Complete
- QVSG,Bottom Flange, Bolt 3/4-10 X 1-3/4 In. Zinc Plated Gr.5 Hex Head Tap Bolt
- Washer,Nylon, 3/4 In., 1.317 OD X 0.765 ID X 0.06 THK.

ITEM NUMBER	DESCRIPTION	LIST PRICE
312-68Q	QVS 6&8" Valve Insertion Startup Package for use with 3-Rail Tapping Machine	49,000.55

PROVIDES ALL EQUIPMENT NEEDED TO PERFORM 6&8" QVS INSERTIONS WITH A INSERTAVALVE 2.0 3 RAIL TAPPING MACHINE. FOR CUSTOMERS WHO ALREADY HAVE AN IVS2.0 TAPPING MACHINE (312-71TT), BUT WHO DO NOT HAVE QVS EQUIPMENT. THE FOLLOWING IS INCLUDED:

- 312-QVS Bell Adapter
- 312-QVS Install Tool
- QVR,QuikValve 6 Reamer Complete
- QVR,QuikValve 8 Reamer Complete
- QVSG,QuikValve Slide Gate Complete
- TM,Carbide Cutter,6 In. Actual OD =5-1/2 IN.
- QVIM,Cutter,6.0 O.D.
- QVIM,Cutter,6.325 O.D.
- QVIM,Cutter,7.5 O.D.
- QVIM,Cutter,8.0 O.D.
- QVIM,Cutter,8.425 O.D.
- QVIM,6 Blind Flange,Complete
- QVIM,8 Blind Flange,Complete
- QVSG,Sleeve Flange Plug, 6 In. Complete
- QVSG,Sleeve Plug Valve
- QVSG,Exhaust Hose Assembly
- QVSG,Socket Modified 1-1/16hex Socket
- QVSG,Operating Wrench,Complete
- QVSG,Lifting Hook
- QVSG,6 TO 8 In. Adapter Bolt
- QVIM/QVSG, Washer, 3/4 Flat Washer, Zinc Plated SAE
- QVR,6 Reamer Sizing Ring Inc. Screws
- QVR,8 Reamer Sizing Ring Inc. Screws
- QVSG,Spacer Nut,3/4-10 Hex Nut,3/4-10 Finished Hex Nut,Zinc Plated
- QVSG,Bottom Flange, Bolt 3/4-10 X 1-3/4 In. Zinc Plated Gr.5 Hex Head Tap Bolt
- Washer,Nylon, 3/4 IN., 1.317 OD X 0.765 ID X 0.06 THK.
- 312-QVS Bell Adapter Bolts, 3/4-10 X 3 In. Zinc Plated Gr.5 Hex Head Tap Bolt
- QVSG,6 Adapter Flange Complete
- 312 IVS, Installation Adapter Shaft, Footage
- 312 IVS, Cutter Adapter
- QVIM,Shaft Nose,Complete
- TM,Pilot Spade Bit 1 In. Tialn Coated
- QVIM,PVC Pilot,Complete
- B1,Lubricant,Tech-Lube Tapping Compound, Tlt 16.1
- 312-QVS Blind Flange Insertion Adapter

INSERTAVALVE 2.0™

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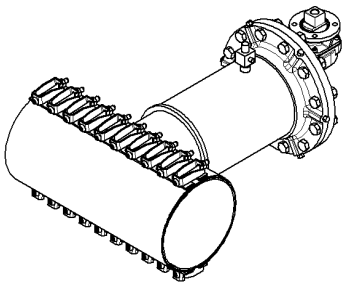
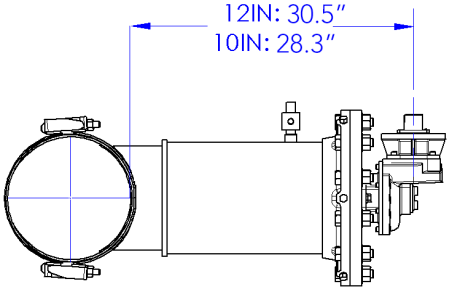
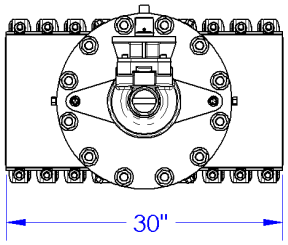
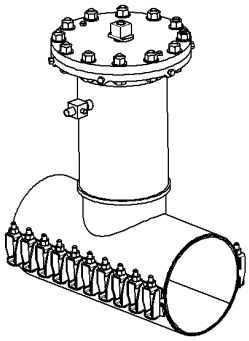
HORIZONTAL INSTALLATION

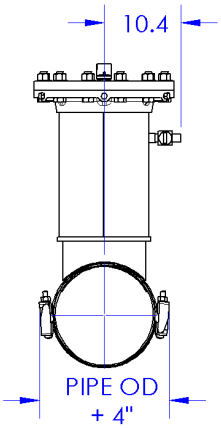


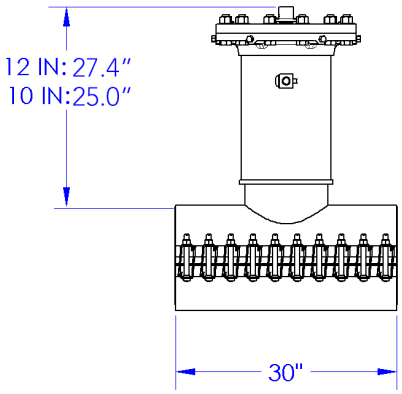




VERTICAL INSTALLATION







	ITEM NUMBER	DESCRIPTION	LIST PRICE
		SLEEVES with 304 S.S. bolts and nuts and valve assembly including; plug, coverplate and operating nut. For horizontal applications add the 90 degree gear box PN below.	
10"	312-109500	IVS312 - 10.95 (10.75 - 10.95), LEFT OPEN	$11,583.46
	312-109500R	IVS312 - 10.95 (10.75 - 10.95), RIGHT OPEN	11,583.46
	312-112500	IVS312 - 11.25 (10.85 - 11.25), LEFT OPEN	11,583.46
	312-112500R	IVS312 - 11.25 (10.85 - 11.25), RIGHT OPEN	11,583.46
	312-114500	IVS312 - 11.45 (11.05 - 11.45), LEFT OPEN	11,583.46
	312-114500R	IVS312 - 11.45 (11.05 - 11.45), RIGHT OPEN	11,583.46
	312-118000	IVS312 - 11.80 (11.40 - 11.80), LEFT OPEN	11,583.46
	312-118000R	IVS312 - 11.80 (11.40 - 11.80), RIGHT OPEN	11,583.46
	312-122000	IVS312 - 12.20 (11.80 - 12.20), LEFT OPEN	11,583.46
	312-122000R	IVS312 - 12.20 (11.80 - 12.20), RIGHT OPEN	11,583.46
12"	312-126000	IVS312 - 12.60 (12.20 - 12.60), LEFT OPEN	$12,833.84
	312-126000R	IVS312 - 12.60 (12.20 - 12.60), RIGHT OPEN	12,833.84
	312-129500	IVS312 - 12.95 (12.75 - 12.95), LEFT OPEN	12,833.84
	312-129500R	IVS312 - 12.95 (12.75 - 12.95), RIGHT OPEN	12,833.84
	312-132000	IVS312 - 13.20 (12.90 - 13.20), LEFT OPEN	12,833.84
	312-132000R	IVS312 - 13.20 (12.90 - 13.20), RIGHT OPEN	12,833.84
	312-135000	IVS312 - 13.50 (13.10 - 13.50), LEFT OPEN	12,833.84
	312-135000R	IVS312 - 13.50 (13.10 - 13.50), RIGHT OPEN	12,833.84
	312-138000	IVS312 - 13.80 (13.40 - 13.80), LEFT OPEN	12,833.84
	312-138000R	IVS312 - 13.80 (13.40 - 13.80), RIGHT OPEN	12,833.84
	312-144000	IVS312 - 14.40 (14.00 - 14.40), LEFT OPEN	12,833.84
	312-144000R	IVS312 - 14.40 (14.00 - 14.40), RIGHT OPEN	12,833.84
	312-146000	IVS312 - 14.60 (14.20 - 14.60), LEFT OPEN	12,833.84
	312-146000R	IVS312 - 14.60 (14.20 - 14.60), RIGHT OPEN	12,833.84
	312-147000	IVS312 - 14.70 (14.30 - 14.70), LEFT OPEN	12,833.84
	312-147000R	IVS312 - 14.70 (14.30 - 14.70), RIGHT OPEN	12,833.84
	312-01-11-90GB	90-DEGREE GEAR BOX 1:1 (Provides vertical actuation for horizontal valve insertions)	$3,225.12

Manufactured with Domestic and Import material. For Domestic requirements please contact our Quotations Department.
FEBRUARY 9, 2026

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INSERTAVALVE 2.0™

SLEEVE CHART SLEEVE SPECIFIED BY LARGE OD

	SLEEVE SIZE	PIPE AND CLASS	PART NUMBER
10"	10.75 - 10.95	PVC 10" (10.75) ASTM D2241CL 100,125,160,200 Steel 10 (10.75) Sch. 40, 80	312-109500
	10.85 - 11.25	DI 10" (11.10) 50 – 56 CI 10" (11.10) 50 CC & PC; 100 CC & PC; 150 CC & PIT; 200 CC & PIT; 250 CC; A, B. PVC C-900 10" (11.10); DR14 (PC305), DR18 (PC235), DR25 (PC165)	312-112500
	11.05 - 11.45	DI (11.10) 50 - 56 CI (11.10,11.40) PVC C-900 (11.10); DR14 (PC305), DR18 (PC235), DR25 (PC165) SIMPLEX (11.43); AC 150, AC 100 J-M (11.37)	312-114500
	11.40 - 11.80	CI 250 PIT (11.40), C (11.40),D (11.40) E, F (11.60) AC 100 CERTAIN-TEED (11.46), SIMPLEX (11.43)	312-118000
	11.80 - 12.20	CI G, H (11.84) AC 150 J-M (11.92) SIMPLEX (11.95); AC 200 J-M (11.92) CERTAIN-TEED (11.88)	312-122000
12"	12.20 - 12.60	AC 200 SIMPLEX (12.45) Non-stocked item, please call for special quote	
	12.75 - 12.95	PVC 12" (12.75) ASTM D2241CL 100, 125, 160, 200 Steel 12" (12.75) Sch. 40, 80	312-129500
	12.90 - 13.20	DI 12" (13.20) 50 – 56 CI 12" (13.20) 50 CC & PC; 100 CC & PC; 150 CC & PIT; 200 CC & PIT; 250 CC; A, B PVC C-900 12" (13.20); DR14 (PC305), DR18 (PC235), DR25 (PC165)	312-132000
	13.10 - 13.50	DI 12" (13.20) 50 – 56 CI 12" (13.20) 50 CC & PC; 100 CC & PC; 150 CC & PIT; 200 CC & PIT; 250 CC; A, B; A,B;CI (13.50) 250 PIT, C, D PVC C-900 12" (13.20); DR14 (PC305), DR18 (PC235), DR25 (PC165) AC 100 J-M (13.49)	312-135000
	13.40 - 13.80	CI (13.50) 250 PIT, C, D, (13.76) E, F AC 100 J-M (13.49) CERTAIN-TEED (13.70) SIMPLEX (13.61)	312-138000
	14.00 - 14.40	CI G, H (14.08) AC 150 J-M (14.18) CERTAIN-TEED (14.11) SIMPLEX (14.21) AC 200 J-M (14.18)	312-144000
	14.30 - 14.70		312-147000