

**PW Pipe**<sup>®</sup>

**PVC Irrigation  
& Plumbing Pipe**  
The Right Pipe for Many Uses



**PW Pipe**

Irrigation &  
Plumbing  
Products

[www.pwpipe.com](http://www.pwpipe.com)

# Gasketed PVC

PWPipe's gasketed PVC pipe is a pressure-rated pipe designed specifically for irrigation. Available in diameters from 1½" to 24", it is most often used for distribution mains from which smaller lines are fed.

The gasketed bell system provides the simplest, easiest, and fastest installation available in any pipe providing a similar high quality performance. Gaskets are installed at the factory and all that is necessary to complete a water-tight, permanent connection is to lubricate the plain end and insert it into the bell in accordance with PWPipe's simple installation instructions.

Once the trench and bedding are prepared, a PWPipe gasketed pipe system can be installed at a rapid pace. The gasketed joint is designed to provide a positive leak-free seal under a wide variety of temperature and pressure conditions, ranging from vacuum to the rated pressure.

## PIP Size

**Standards:** PVC Material: ASTM D 1784, cell class 12454; Pipe Design: ASTM D 2241 (15"-24" except SDR 74), SCS 430 DD (6"-15" except SDR 64), ASAE S376.1 (except SDR 64, SDR 26, and 6"-15" SDR 32.5)

**Gasket:** ASTM F 477

Lengths: 20-foot laying length standard

## IPS Size

**Standards:** PVC Material: ASTM D 1784, cell class 12454; Pipe Design: ASTM D 2241;

**Gasket:** ASTM F 477

**Agency:** Certified by Underwriters Laboratories, Inc. or NSF International to ANS/NSF Standard 61 for potability.

## Note:

1. All dimensions are in inches.
2. All weights are in pounds per 100 feet of length.

## Design Note:

Variables such as water velocity in the pipe, air entrapment, frequent pump cycling, water hammer or excessive operating pressures can have an adverse effect on any PVC pipe's life expectancy. If you have any questions about design or the effects of these factors, contact our Technical Department at (800) 347-0200.

Nominal Pipe Size	Category	SDR	Average Outside Diameter (inches)	Approx. Inside Diameter (inches)	Minimum Wall Thickness (inches)	Approx. Weight (lbs/100')
1½	160 IPS	26	1.900	1.74	0.073	28
	200 IPS	21	1.900	1.70	0.090	44
2	160 IPS	26	2.375	2.18	0.091	44
	200 IPS	21	2.375	2.13	0.113	54
2½	160 IPS	26	2.875	2.64	0.110	64
	200 IPS	21	2.875	2.58	0.137	79
3	125 IPS	32.5	3.500	3.26	0.108	77
	160 IPS	26	3.500	3.21	0.135	96
	200 IPS	21	3.500	3.14	0.167	120
4	100 IPS	41	4.500	4.26	0.110	100
	125 IPS	32.5	4.500	4.20	0.138	130
	160 IPS	26	4.500	4.13	0.173	160
	200 IPS	21	4.500	4.04	0.214	190
5	100 IPS	41	5.563	5.27	0.136	160
	125 IPS	32.5	5.563	5.19	0.171	200
	160 IPS	26	5.563	5.10	0.214	240
	200 IPS	21	5.563	4.99	0.265	290
6	63 IPS	64	6.625	6.40	0.104	140
	100 IPS	41	6.625	6.27	0.162	220
	125 IPS	32.5	6.625	6.18	0.204	280
	160 IPS	26	6.625	6.07	0.255	340
	200 IPS	21	6.625	5.94	0.316	410
	80 PIP	51	6.140	5.88	0.120	150
	100 PIP	41	6.140	5.81	0.150	190
	125 PIP	32.5	6.140	5.73	0.189	240
8	63 IPS	64	8.625	8.33	0.135	240
	100 IPS	41	8.625	8.17	0.210	380
	125 IPS	32.5	8.625	8.05	0.265	470
	160 IPS	26	8.625	7.91	0.332	580
	200 IPS	21	8.625	7.74	0.410	720
	80 PIP	51	8.160	7.81	0.160	270
	100 PIP	41	8.160	7.73	0.199	340
	125 PIP	32.5	8.160	7.62	0.251	420

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Nominal Pipe Size	Category	SDR	Average Outside Diameter (inches)	Approx. Inside Diameter (inches)	Minimum Wall Thickness (inches)	Approx. Weight (lbs/100')
10	63 IPS	64	10.750	10.39	0.168	380
	100 IPS	41	10.750	10.18	0.262	590
	125 IPS	32.5	10.750	10.04	0.331	740
	160 IPS	26	10.750	9.86	0.413	910
	200 IPS	21	10.750	9.65	0.511	1120
	80 PIP	51	10.200	9.77	0.200	430
	100 PIP	41	10.200	9.66	0.249	530
12	125 PIP	32.5	10.200	9.52	0.314	660
	63 IPS	64	12.750	12.32	0.199	530
	100 IPS	41	12.750	12.08	0.311	830
	125 IPS	32.5	12.750	11.91	0.392	1040
	160 IPS	26	12.750	11.70	0.490	1280
	200 IPS	21	12.750	11.45	0.606	1570
	80 PIP	51	12.240	11.72	0.240	610
15	100 PIP	41	12.240	11.60	0.299	760
	125 PIP	32.5	12.240	11.43	0.377	950
	63 PIP	64	15.300	14.78	0.239	770
	80 PIP	51	15.300	14.65	0.300	960
	100 PIP	41	15.300	14.50	0.373	1190
18	125 PIP	32.5	15.300	14.29	0.471	1490
	160 PIP	26	15.300	14.04	0.588	1780
	63 PIP	64	18.701	18.07	0.292	1160
	80 PIP	51	18.701	17.91	0.367	1450
21	100 PIP	41	18.701	17.72	0.456	1790
	125 PIP	32.5	18.701	17.47	0.575	2240
	80 PIP	51	22.047	21.12	0.432	2020
24	100 PIP	41	22.047	20.89	0.538	2500
	125 PIP	32.5	22.047	20.59	0.678	3130
	80 PIP	51	24.803	23.76	0.486	2430
	100 PIP	41	24.803	23.50	0.605	3170
	125 PIP	32.5	24.803	23.17	0.763	3980

PWPipe's solvent-weld PVC pipe is manufactured in diameters from ½" to 20" in a wide range of pressure ratings. It provides the most economy available in high performance PVC irrigation systems.

Our pipe can be easily tailored on the job with ordinary hand tools. This allows you to cut it at any point to make connections or install sprinklers. The 20-foot lengths reduce the number of joints required as well as the installation time.

PWPipe's solvent weld bell joints are precision manufactured so that a proper installation produces a pressure-tight, non-leak, permanently sealed joint.

### 100-Foot Head

**Standards:** PVC Material: ASTM D 1784, cell class 12454;

Pipe Design: ASAE S376.1

**Lengths:** All pipe is available in 20-foot overall lengths. Low Head in 12" and 15" sizes is available in 40-foot overall lengths.

### IPS Size

**Standards:** PVC Material: ASTM D 1784, cell class 12454;

Pipe Design: SDR Pipe—ASTM D 2241, Schedule 40 & 80 Pipe—ASTM D 1785

**Agency:** Certified by Underwriters Laboratories, Inc. or NSF International to ANSI/NSF Standard 61 for potability.

### Note:

- Schedule 80 available in plain-end only.
- Plain-end pressure pipe is 20' overall length.
- 100-foot head pipe FOB CA. Add freight outside of CA.
- All dimensions are in inches.
- All weights are in pounds per 100 feet of length.
- 6"-15" 100-foot head pipe is PIP size pipe. 18"-20" 100-foot head pipe is IP size pipe.



# Solvent Weld PVC

Nominal Pipe Size	Category	SDR	Average Outside Diameter (inches)	Approx. Inside Diameter (inches)	Minimum Wall Thickness (inches)	Approx. Weight (lbs/100')	
1/2	315 IPS	13.5	0.840	0.70	0.062	10	
	SCH 40/PR 600	NA	0.840	0.60	0.109	16	
	SCH 80/PR 850	NA	0.840	0.52	0.147	21	
3/4	200 IPS	21	1.050	0.92	0.060	12	
	SCH 40/PR 480	NA	1.050	0.80	0.113	22	
	SCH 80/PR 690	NA	1.050	0.72	0.154	29	
1	200 IPS	21	1.315	1.18	0.063	16	
	SCH 40/PR 450	NA	1.315	1.03	0.133	32	
	SCH 80/PR 630	NA	1.315	0.93	0.179	42	
1 1/4	125 IPS	32.5	1.660	1.53	0.060	20	
	160 IPS	26	1.660	1.52	0.064	21	
	200 IPS	21	1.660	1.49	0.079	26	
	SCH 40/PR 370	NA	1.660	1.36	0.140	44	
	SCH 80/PR 520	NA	1.660	1.25	0.191	58	
1 1/2	125 IPS	32.5	1.900	1.77	0.060	23	
	160 IPS	26	1.900	1.74	0.073	27	
	200 IPS	21	1.900	1.70	0.090	34	
	SCH 40/PR 330	NA	1.900	1.59	0.145	52	
	SCH 80/PR 470	NA	1.900	1.47	0.200	70	
2	125 IPS	32.5	2.375	2.21	0.073	35	
	160 IPS	26	2.375	2.64	0.091	43	
	200 IPS	21	2.375	2.13	0.113	53	
	315 IPS	13.5	2.375	1.99	0.176	80	
	SCH 40/PR 280	NA	2.375	2.04	0.154	70	
	SCH 80/PR 400	NA	2.375	1.90	0.218	97	
2 1/2	125 IPS	32.5	2.875	2.68	0.088	51	
	160 IPS	26	2.875	2.63	0.110	63	
	200 IPS	21	2.875	2.58	0.137	77	
	315 IPS	13.5	2.875	2.41	0.213	120	
	SCH 40/PR 300	NA	2.875	2.44	0.203	110	
	SCH 80/PR 420	NA	2.875	2.28	0.276	150	
3	100 IPS	41	3.500	3.31	0.085	60	
	125 IPS	32.5	3.500	3.26	0.108	75	
	160 IPS	26	3.500	3.21	0.135	94	
	200 IPS	21	3.500	3.14	0.167	110	
	315 IPS	13.5	3.500	2.94	0.259	170	
	SCH 40/PR 260	NA	3.500	3.03	0.216	150	
	SCH 80/PR 370	NA	3.500	2.85	0.300	200	
	4	63 IPS	64	4.500	4.35	0.070	64
		100 IPS	41	4.500	4.26	0.110	99
125 IPS		32.5	4.500	4.20	0.138	120	
160 IPS		26	4.500	4.13	0.173	150	
200 IPS		21	4.500	4.04	0.214	190	
315 IPS		13.5	4.500	3.78	0.333	290	
SCH 40/PR 220		NA	4.500	3.99	0.237	210	
SCH 80/PR 320		NA	4.500	3.77	0.337	290	

Nominal Pipe Size	Category	SDR	Average Outside Diameter (inches)	Approx. Inside Diameter (inches)	Minimum Wall Thickness (inches)	Approx. Weight (lbs/100')
5	63 IPS	64	5.563	5.37	0.087	98
	100 IPS	41	5.563	5.27	0.136	150
	125 IPS	32.5	5.563	5.19	0.171	190
	160 IPS	26	5.563	5.10	0.214	240
	200 IPS	21	5.563	4.99	0.265	300
	SCH 40/PR 190	NA	5.563	5.01	0.258	290
	SCH 80/PR 290	NA	5.563	4.76	0.375	400
6	63 IPS	64	6.625	6.40	0.087	140
	100 IPS	41	6.625	6.27	0.162	220
	125 IPS	32.5	6.625	6.18	0.204	270
	160 IPS	26	6.625	6.07	0.255	330
	200 IPS	21	6.625	5.94	0.316	410
	SCH 40/PR 180	NA	6.625	6.02	0.280	370
	SCH 80/PR 280	NA	6.625	5.70	0.432	550
8	63 IPS	64	8.625	8.33	0.135	240
	100 IPS	41	8.625	8.17	0.210	360
	125 IPS	32.5	8.625	8.05	0.265	460
	200 IPS	21	8.625	7.74	0.410	690
	SCH40/PR 160	NA/26	8.625	7.91	0.332	570
	SCH80/PR 250	NA	8.625	7.55	0.500	840
	100 FT HD 20'	93.5	8.160	7.97	0.087	140
10	100 IPS	41	10.750	10.18	0.262	570
	125 IPS	32.5	10.750	10.04	0.331	710
	160 IPS	26	10.750	9.86	0.413	900
	200 IPS	21	10.750	9.65	0.511	1100
	SCH 40/PR 140	NA	10.750	9.96	0.365	780
	SCH 80/PR 230	NA	10.750	9.48	0.593	1250
	100 FT HD 20'	93.5	10.200	9.96	0.109	230
12	63 IPS	64	12.750	12.32	0.199	510
	100 IPS	41	12.750	12.08	0.311	800
	125 IPS	32.5	12.750	11.91	0.392	1000
	160 IPS	26	12.750	11.70	0.490	1250
	200 IPS	21	12.750	11.45	0.606	1530
	SCH 40/PR 130	NA	12.750	11.88	0.406	1030
	SCH 80/PR 230	NA	12.750	11.28	0.687	1720
	100 FT HD 20'	93.5	12.240	11.96	0.131	330
	100 FT HD 40'	93.5	12.240	11.96	0.131	330
15	100 FT HD 20'	93.5	15.300	14.94	0.164	510
	100 FT HD 40'	93.5	15.300	14.94	0.164	510
	100 PIP	41	15.300	14.50	0.373	1150
18	100 FT HD 20'	93.5	18.360	17.93	0.197	740
20	100 FT HD 20'	93.5	20.400	19.93	0.219	910

## **Turf or Ag, PWPipe offers more ways to move water wisely...**


PWPipe gives you the widest range of PVC types and sizes available in North America. You can also count on PWPipe to meet your highest quality standards. In addition to consistently meeting industry norms in outside agency inspections, we run daily in-plant tests for impact, burst pressure, flattening and dimensions—all in strict accordance with ASTM specifications.

## **...and we move more pipe, too.**

With eight manufacturing facilities in the west and one in the midwest, PWPipe has the production capacity to meet nearly every need, on time. PWPipe... we ship more pipe throughout the West than any other company.

## **Save time, money and resources with PWPipe's PVC products.**

- cuts easily
- fast installation
- fewer joints
- flexible
- high strength-to-weight ratio
- light weight
- low maintenance
- no deterioration
- no evaporation loss
- low pumping cost
- resists cracking and rupture
- non-corrosive



**WARNING:** Do not use PVC pipe for pressurized air systems. Injury or death may result due to the catastrophic nature of pipe failure should failure occur. Rapid expansion of compressed air could propel shards of plastic throughout the area.

**WARNING:** PVC pipe is intended for conveyance of water. Damage to pipe may occur from the conveyance of chemicals (including, but not limited to, herbicides and pesticides), particularly at high concentrations or when pipes are not adequately flushed between applications.

# PWPipe combines three decades of success with tomorrow's technology

*PWPipe is the largest producer of PVC pipe in western North America and our products are available from distributors throughout the geographic area represented in red on the map. PWPipe products include PVC and polyethylene pipe and tubing for a variety of applications servicing the potable water, well casing, sewer, agriculture, turf, plumbing, communications, and electrical markets. Our facilities in Oregon, Washington, California, Utah, and Nebraska assure on-time delivery.*

## **PWPipe Facilities Are Located In:**

- ① Tacoma, Washington
- ② Sunnyside, Washington
- ③ Hillsboro, Oregon
- ④  Eugene, Oregon (and Corporate Headquarters)
- ⑤ Baker City, Oregon (Distribution Warehouse only)
- ⑥ Cameron Park, California
- ⑦ Visalia, California
- ⑧ Perris, California
- ⑨ West Jordan, Utah
- ⑩ Hastings, Nebraska



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