

+GF+ SCHEDULE 80 CPVC

HI-TEMP INDUSTRIAL PIPING SYSTEM

Asmuss' CPVC 'Hi-Temp' Schedule 80 piping system is a truly industrial product with special application in process pipework where high integrity and excellent chemical resistance are required.

Chemical Resistance

CPVC (Chlorinated Polyvinyl Chloride) is particularly useful for handling corrosive fluids at temperatures up to 99°C.

In chemical resistance, it is comparable to PVC. It weighs about one-sixth as much as stainless steel, will not sustain combustion

(self-extinguishing) and has low thermal conductivity.

Suggested uses include process piping for hot corrosive liquids, hot and cold water lines, and similar applications above the temperature range of PVC.

CPVC pipe may be joined by solvent welding, threading or flanging.

Solvent Cement Joining

The Installation of CPVC Schedule 80 pipework should only be undertaken by suitably qualified and experienced persons.

Please contact Asmuss for appropriate training.

Asmuss recommends the use of IPS-724 solvent cement when joining CPVC Schedule 80.

This has been specifically developed for use with CPVC Schedule 80 in chemical applications.

Standards

CPVC Schedule 80 was initially developed for the American market and as such is made to the relevant ASTM Standards.

Flanges are drilled to the ANSI 150 pattern and Threaded fittings are NPT.

Please note that this is different to the Table D/E Flanges and BSP threads common to New Zealand.

CPVC HI-TEMP SCHEDULE 80 PIPE - PLAIN ENDS

	Code	Size (NB) mm	Size (NB) inch	OD mm	Avg ID mm	Min Wall Thickness (mm)	Nom Weight (Kg/m)
	PCPVC80/008	8	1/4"	13.7	7.2	3	0.15
	PCPVC80/010	10	3/8"	17.1	10.2	3.2	0.2
	PCPVC80/015	15	1/2"	21.3	13.4	3.7	0.31
	PCPVC80/020	20	3/4"	26.7	18.3	3.9	0.41
	PCPVC80/025	25	1"	33.4	23.7	4.5	0.61
	PCPVC80/032	32	1 1/4"	42.2	31.9	4.9	0.84
	PCPVC80/040	40	1 1/2"	48.3	37.5	5.1	1.02
	PCPVC80/050	50	2"	60.3	48.6	5.5	1.46
	PCPVC80/065	65	2 1/2"	73	58.2	7	2.15
	PCPVC80/080	80	3"	88.9	72.7	7.6	2.88
	PCPVC80/100	100	4"	114.3	96.2	8.6	4.21
	PCPVC80/125	125	5"	141.3	121.11	9.5	6.16
	PCPVC80/150	150	6"	168.3	144.8	11	8.04
	PCPVC80/200	200	8"	219.1	192.2	12.7	12.68
	PCPVC80/250	250	10"	273.05	241.12	15.06	18.80
	PCPVC80/300	300	12"	323.85	286.87	17.44	25.87

15 - 200mm pipe is also available in 1 metre sections - POA

Please refer our Pipe Clips price list for imperial pipe clips.

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HI-TEMP INDUSTRIAL PIPING SYSTEM

CPVC SCH80 SOCKETS

	Code	Size (NB)	
CPVC Sch80 Socket Plain (9829) 	FCPVCSOP/008	8mm	1/4"
	FCPVCSOP/010	10mm	3/8"
	FCPVCSOP/015	15mm	1/2"
	FCPVCSOP/020	20mm	3/4"
	FCPVCSOP/025	25mm	1"
	FCPVCSOP/032	32mm	1 1/4"
	FCPVCSOP/040	40mm	1 1/2"
	FCPVCSOP/050	50mm	2"
	FCPVCSOP/065	65mm	2 1/2"
	FCPVCSOP/080	80mm	3"
	FCPVCSOP/100	100mm	4"
	FCPVCSOP/150	150mm	6"
	FCPVCSOP/200	200mm	8"
	FCPVCSOP/250	250mm	10"
CPVC Sch80 Plain/Threaded NPT Socket (9835)  NPT THREAD	FCPVCSOPT/015	15mm	1/2"
	FCPVCSOPT/020	20mm	3/4"
	FCPVCSOPT/025	25mm	1"
	FCPVCSOPT/032	32mm	1 1/4"
	FCPVCSOPT/040	40mm	1 1/2"
	FCPVCSOPT/050	50mm	2"
	FCPVCSOPT/080	80mm	3"
	FCPVCSOPT/100	100mm	4"

NPT THREAD

CPVC SCH80 SOCKET UNIONS

	Code	Size (NB)	
CPVC Sch80 Socket Union Plain FPM (9897)  FPM O-RING	FCPVCSOUN/008	8mm	1/4"
	FCPVCSOUN/010	10mm	3/8"
	FCPVCSOUN/015	15mm	1/2"
	FCPVCSOUN/020	20mm	3/4"
	FCPVCSOUN/025	25mm	1"
	FCPVCSOUN/032	32mm	1 1/4"
	FCPVCSOUN/040	40mm	1 1/2"
	FCPVCSOUN/050	50mm	2"
	FCPVCSOUN/080	80mm	3"
	FCPVCSOUN/100	100mm	4"

FPM O-RING

CPVC SCH80 TEES

	Code	Size (NB)	
CPVC Sch80 Tee Plain (9801) 	FCPVCTee/015	15mm	1/2"
	FCPVCTee/020	20mm	3/4"
	FCPVCTee/025	25mm	1"
	FCPVCTee/032	32mm	1 1/4"
	FCPVCTee/040	40mm	1 1/2"
	FCPVCTee/050	50mm	2"
	FCPVCTee/065	65mm	2 1/2"
	FCPVCTee/080	80mm	3"
	FCPVCTee/100	100mm	4"
	FCPVCTee/150	150mm	6"
	FCPVCTee/200	200mm	8"
	FCPVCTee/250	250mm	10"
	FCPVCTee/300	300mm	12"

CPVC SCH80 90° ELBOWS

	Code	Size (NB)	
CPVC Sch80 Elbow 90° Plain (9806) 	FCPVCEL90/015	15mm	1/2"
	FCPVCEL90/020	20mm	3/4"
	FCPVCEL90/025	25mm	1"
	FCPVCEL90/032	32mm	1 1/4"
	FCPVCEL90/040	40mm	1 1/2"
	FCPVCEL90/050	50mm	2"
	FCPVCEL90/065	65mm	2 1/2"
	FCPVCEL90/080	80mm	3"
	FCPVCEL90/100	100mm	4"
	FCPVCEL90/150	150mm	6"
	FCPVCEL90/200	200mm	8"
	FCPVCEL90/250	250mm	10"
	FCPVCEL90/300	300mm	12"

CPVC SCH80 45° ELBOWS

	Code	Size (NB)	
CPVC Sch80 Elbow 45° Plain (9806) 	FCPVCEL45/010	10mm	3/8"
	FCPVCEL45/015	15mm	1/2"
	FCPVCEL45/020	20mm	3/4"
	FCPVCEL45/025	25mm	1"
	FCPVCEL45/032	32mm	1 1/4"
	FCPVCEL45/040	40mm	1 1/2"
	FCPVCEL45/050	50mm	2"
	FCPVCEL45/065	65mm	2 1/2"
	FCPVCEL45/080	80mm	3"
	FCPVCEL45/100	100mm	4"
	FCPVCEL45/150	150mm	6"
	FCPVCEL45/200	200mm	8"
	FCPVCEL45/250	250mm	10"
	FCPVCEL45/300	300mm	12"

CPVC SCH80 90° BENDS

	Code	Size (NB)	
CPVC Sch80 Swept BEND 90° Plain 	FCPVCEB90/015	15mm	1/2"
	FCPVCEB90/020	20mm	3/4"
	FCPVCEB90/025	25mm	1"
	FCPVCEB90/032	32mm	1 1/4"
	FCPVCEB90/040	40mm	1 1/2"
	FCPVCEB90/050	50mm	2"
	FCPVCEB90/065	65mm	2 1/2"
	FCPVCEB90/080	80mm	3"
	FCPVCEB90/100	100mm	4"

CPVC SCH80 END CAPS

	Code	Size (NB)	
CPVC Sch80 Plain Cap (9847) 	FCPVCCAP/015	15mm	1/2"
	FCPVCCAP/020	20mm	3/4"
	FCPVCCAP/025	25mm	1"
	FCPVCCAP/032	32mm	1 1/4"
	FCPVCCAP/040	40mm	1 1/2"
	FCPVCCAP/050	50mm	2"
	FCPVCCAP/065	65mm	2 1/2"
	FCPVCCAP/080	80mm	3"
	FCPVCCAP/100	100mm	4"
	FCPVCCAP/150	150mm	6"
	FCPVCCAP/200	200mm	8"

+GF+ SCHEDULE 80 CPVC

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CPVC PLAIN FLANGES

	Code	Size (NB)
CPVC Sch80 Flange Plain, ANSI 150 (9851) 	FCPVCFLPL150/015	15mm ½"
	FCPVCFLPL150/020	20mm ¾"
	FCPVCFLPL150/025	25mm 1"
	FCPVCFLPL150/032	32mm 1¼"
	FCPVCFLPL150/040	40mm 1½"
	FCPVCFLPL150/050	50mm 2"
	FCPVCFLPL150/065	65mm 2½"
	FCPVCFLPL150/080	80mm 3"
	FCPVCFLPL150/100	100mm 4"
	FCPVCFLPL150/150	150mm 6"
	FCPVCFLPL150/200	200mm 8"

CPVC SCH80 BLANK FLANGES

	Code	Size (NB)
CPVC Sch80 Flange Blank, ANSI 150 (9853) 	FCPVCFLB150/015	15mm ½"
	FCPVCFLB150/020	20mm ¾"
	FCPVCFLB150/025	25mm 1"
	FCPVCFLB150/032	32mm 1¼"
	FCPVCFLB150/040	40mm 1½"
	FCPVCFLB150/050	50mm 2"
	FCPVCFLB150/065	65mm 2½"
	FCPVCFLB150/080	80mm 3"
	FCPVCFLB150/100	100mm 4"
	FCPVCFLB150/150	150mm 6"
	FCPVCFLB150/200	200mm 8"

CPVC SCH80 VAN STONE FLANGES

	Code	Size (NB)
CPVC Sch80 Van Stone Flange ANSI 150 (9854) 	FCPVCFLVS150/015	15mm ½"
	FCPVCFLVS150/020	20mm ¾"
	FCPVCFLVS150/025	25mm 1"
	FCPVCFLVS150/032	32mm 1¼"
	FCPVCFLVS150/040	40mm 1½"
	FCPVCFLVS150/050	50mm 2"
	FCPVCFLVS150/065	65mm 2½"
	FCPVCFLVS150/080	80mm 3"
	FCPVCFLVS150/100	100mm 4"
	FCPVCFLVS150/150	150mm 6"
	FCPVCFLVS150/200	200mm 8"
CPVC Sch80 Spigot Van Stone Flange ANSI 150 	FCPVCFLVSSP/015	15mm ½"
	FCPVCFLVSSP/020	20mm ¾"
	FCPVCFLVSSP/025	25mm 1"
	FCPVCFLVSSP/032	32mm 1¼"
	FCPVCFLVSSP/040	40mm 1½"
	FCPVCFLVSSP/050	50mm 2"
	FCPVCFLVSSP/065	65mm 2½"
	FCPVCFLVSSP/080	80mm 3"
	FCPVCFLVSSP/100	100mm 4"
	FCPVCFLVSSP/150	150mm 6"
CPVC Sch80 Van Stone Flange DIN 	FCPVCFLVSDIN/080	80mm 3"
	FCPVCFLVSDIN/100	100mm 4"
CPVC Sch80 Van Stone Flange Universal 	FCPVCFLVSU/050	50mm 2"
	FCPVCFLVSU/150	150mm 6"

CPVC SCH80 ADAPTORS

	Code	Size (NB)
CPVC Sch80, NPT Female Adaptor (9878)  NPT THREAD	FCPVCFADPT/015	15mm ½"
	FCPVCFADPT/020	20mm ¾"
	FCPVCFADPT/025	25mm 1"
	FCPVCFADPT/032	32mm 1¼"
	FCPVCFADPT/040	40mm 1½"
	FCPVCFADPT/050	50mm 2"
	FCPVCFADPT/080	80mm 3"
CPVC Sch80, NPT Male Adaptor (9836)  NPT THREAD	FCPVCMAAPT/015	15mm ½"
	FCPVCMAAPT/020	20mm ¾"
	FCPVCMAAPT/025	25mm 1"
	FCPVCMAAPT/032	32mm 1¼"
	FCPVCMAAPT/040	40mm 1½"
	FCPVCMAAPT/050	50mm 2"
	FCPVCMAAPT/080	80mm 3"
	FCPVCMAAPT/100	100mm 4"

CPVC SCH80 PLUGS

	Code	Size (NB)
CPVC Sch80 Plug, NPT (9850)  NPT THREAD	FCPVCPLUGNPT/008	8mm ¼"
	FCPVCPLUGNPT/010	10mm ⅜"
	FCPVCPLUGNPT/015	15mm ½"
	FCPVCPLUGNPT/020	20mm ¾"
	FCPVCPLUGNPT/025	25mm 1"
	FCPVCPLUGNPT/040	40mm 1½"
	FCPVCPLUGNPT/050	50mm 2"
	FCPVCPLUGNPT/100	100mm 4"

CPVC SCH80 TANK ADAPTERS

	Code	Size (NB)
CPVC Sch80 Tank Adaptor FPM 	FCPVCTAFPM/015	15mm ½"
	FCPVCTAFPM/020	20mm ¾"
	FCPVCTAFPM/025	25mm 1"
	FCPVCTAFPM/032	32mm 1¼"
	FCPVCTAFPM/040	40mm 1½"
	FCPVCTAFPM/050	50mm 2"
	FCPVCTAFPM/080	80mm 3"

+GF+ SCHEDULE 80 CPVC

HI-TEMP INDUSTRIAL PIPING SYSTEM

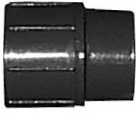
CPVC HOSETAILS

	Code	Size (NB)	
CPVC Hosetail NPT 	FCPVCHOADPT/015	15mm	½"
	FCPVCHOADPT/020	20mm	¾"
	FCPVCHOADPT/025	25mm	1"
	FCPVCHOADPT/032	32mm	1¼"
	FCPVCHOADPT/040	40mm	1½"
	FCPVCHOADPT/050	50mm	2"
Schedule 40			
CPVC Hosetail Spigot 	FCPVCHOADPTSP/015	15mm	½"
	FCPVCHOADPTSP/020	20mm	¾"
	FCPVCHOADPTSP/025	25mm	1"
	FCPVCHOADPTSP/032	32mm	1¼"
	FCPVCHOADPTSP/040	40mm	1½"
	FCPVCHOADPTSP/050	50mm	2"
Schedule 40			

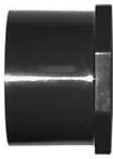
CPVC REDUCING BUSHES

	Code	Size (NB)	
CPVC Sch80 Reducing Bush NPT (9839) 	FCPVCBN/010X008	10x8mm	⅜ x ¼"
	FCPVCBN/015X008	15x8mm	½ x ¼"
	FCPVCBN/015X010	15x10mm	½ x ⅜"
	FCPVCBN/020X015	20x15mm	¾ x ½"
	FCPVCBN/025X015	25x15mm	1 x ½"
	FCPVCBN/025X020	25x20mm	1 x ¾"
	FCPVCBN/032X025	32x25mm	1¼ x 1"
	FCPVCBN/040X025	40x25mm	1½ x 1"
	FCPVCBN/040X032	40x32mm	1½ x 1¼"
	FCPVCBN/050X020	50x20mm	2 x ¾"
	FCPVCBN/050X040	50x40mm	2 x 1½"
	FCPVCBN/065X050	65x50mm	2½ x 2"
	FCPVCBN/080X050	80x50mm	3 x 2"
	FCPVCBN/100X050	100x50mm	4 x 2"
NPT THREAD			

CPVC SCH80 REDUCING SOCKETS

	Code	Size (NB)	
CPVC Sch80 Reducing Socket (9829) 	FCPVCRS/020x015	20x15mm	¾ x ½"
	FCPVCRS/025x015	25x15mm	1 x ½"
	FCPVCRS/025x020	25x20mm	1 x ¾"
	FCPVCRS/032x025	32x25mm	1¼ x 1"
	FCPVCRS/040x025	40x25mm	1½ x 1"
	FCPVCRS/040x032	40x32mm	1½ x 1¼"
	FCPVCRS/050x025	50x25mm	2 x 1"
	FCPVCRS/050x040	50x40mm	2 x 1½"
	FCPVCRS/065x050	65x50mm	2½ x 2"
	FCPVCRS/080x050	80x50mm	3 x 2"
	FCPVCRS/100x050	100x50mm	4 x 2"
	FCPVCRS/100x080	100x80mm	4 x 3"
	FCPVCRS/150x100	150x100mm	6 x 4"
	FCPVCRS/200x150	200x150mm	8 x 6"
	FCPVCRS/300x250	300x250mm	12 x 10"

CPVC REDUCING BUSHES

	Code	Size (NB)	
CPVC Sch80 Reducing Bush Plain (9837) 	FCPVCBP/010x008	10x8mm	⅜ x ¼"
	FCPVCBP/015x008	15x8mm	½ x ¼"
	FCPVCBP/015x010	15x10mm	½ x ⅜"
	FCPVCBP/020x015	20x15mm	¾ x ½"
	FCPVCBP/025x015	25x15mm	1 x ½"
	FCPVCBP/025x020	25x20mm	1 x ¾"
	FCPVCBP/032x015	32x15mm	1¼ x ½"
	FCPVCBP/032x020	32x20mm	1¼ x ¾"
	FCPVCBP/032x025	32x25mm	1¼ x 1"
	FCPVCBP/040x015	40x15mm	1½ x ½"
	FCPVCBP/040x020	40x20mm	1½ x ¾"
	FCPVCBP/040x025	40x25mm	1½ x 1"
	FCPVCBP/040x032	40x32mm	1½ x 1¼"
CPVC Sch80 Reducing Bush Plain/Threaded NPT (9838) 	FCPVCBP/050x015	50x15mm	2 x ½"
	FCPVCBP/050x020	50x20mm	2 x ¾"
	FCPVCBP/050x025	50x25mm	2 x 1"
	FCPVCBP/050x032	50x32mm	2 x 1¼"
	FCPVCBP/050x040	50x40mm	2 x 1½"
	FCPVCBP/065x040	65x40mm	2½ x 1½"
	FCPVCBP/065x050	65x50mm	2½ x 2"
	FCPVCBP/080x040	80x40mm	3 x 1½"
	FCPVCBP/080x050	80x50mm	3 x 2"
	FCPVCBP/080x065	80x65mm	3 x 2½"
	FCPVCBP/100x050	100x50mm	4 x 2"
	FCPVCBP/100x080	100x80mm	4 x 3"
	FCPVCBP/150x100	150x100mm	6 x 4"
	FCPVCBP/200x150	200x150mm	8 x 6"
CPVC Sch80 Reducing Bush Plain/Threaded NPT (9838) 	FCPVCBT/010x008	10x8mm	⅜ x ¼"
	FCPVCBT/015x008	15x8mm	½ x ¼"
	FCPVCBT/015x010	15x10mm	½ x ⅜"
	FCPVCBT/020x008	20x8mm	¾ x ¼"
	FCPVCBT/020x015	20x15mm	¾ x ½"
	FCPVCBT/025x015	25x15mm	1 x ½"
	FCPVCBT/025x020	25x20mm	1 x ¾"
	FCPVCBT/032x015	32x15mm	1¼ x ½"
	FCPVCBT/032x020	32x20mm	1¼ x ¾"
	FCPVCBT/032x025	32x25mm	1¼ x 1"
	FCPVCBT/040x015	40x15mm	1½ x ½"
	FCPVCBT/040x020	40x20mm	1½ x ¾"
	FCPVCBT/040x025	40x25mm	1½ x 1"
	FCPVCBT/040x032	40x32mm	1½ x 1¼"
CPVC Sch80 Reducing Bush Plain/Threaded NPT (9838) 	FCPVCBT/050x015	50x15mm	2 x ½"
	FCPVCBT/050x020	50x20mm	2 x ¾"
	FCPVCBT/050x025	50x25mm	2 x 1"
	FCPVCBT/050x032	50x32mm	2 x 1¼"
	FCPVCBT/050x040	50x40mm	2 x 1½"
	FCPVCBT/065x050	65x50mm	2½ x 2"
	FCPVCBT/080x050	80x50mm	3 x 2"
	FCPVCBT/080x065	80x65mm	3 x 2½"
	FCPVCBT/100x050	100x50mm	4 x 2"
	FCPVCBT/100x080	100x80mm	4 x 3"
NPT THREAD			

+GF+ SCHEDULE 80 CPVC

HI-TEMP INDUSTRIAL PIPING SYSTEM

CPVC SCH80 NIPPLES

	Code	Size (NB)	
CPVC Sch80 Nipple Plain/Threaded BSP, Machined  BSP THREAD	FCPVCNIPTBSP/015	15mm	½"
	FCPVCNIPTBSP/020	20mm	¾"
	FCPVCNIPTBSP/025	25mm	1"
	FCPVCNIPTBSP/032	32mm	1¼"
	FCPVCNIPTBSP/040	40mm	1½"
	FCPVCNIPTBSP/050	50mm	2"
	FCPVCNIPTBSP/080	80mm	3"
	FCPVCNIPTBSP/100	100mm	4"

PIPE CLIPS

	Code	Size (NB)	
Pipe Clips  	167061086	15mm	½"
	167061087	20mm	¾"
	167061088	25mm	1"
	167061089	32mm	1¼"
	167061090	40mm	1½"
	167061091	50mm	2"
	167061112	65mm	2½"
	FPCI/080	80mm	3"
	FPCI/100	100mm	4"
	FPCI/150	150mm	6"
	FPCI/200	200mm	8"

Refer to Pipe Clips, Dressing Sets and Backing Rings list for full range.