



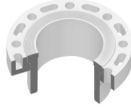
Schedule 40 Fittings Product
Pipe Flanges

Pipe Flanges

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
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Flange Van Stone Style -PIP

Flange x PIP Socket



125 psi Maximum Internal Pressure Rating @ 73°F (23°C)

354-060	6X6.140	5	0	080
354-060F	6X6.140	1	4	320
354-080	8X8.160	2	0	080
354-080F	8X8.160	1	2	320
354-100	10X10.200	2	0	081
354-100F	10X10.200	1	2	320
354-120	12X12.240	2	0	081
354-120F	12X12.240	1	2	320
354-150F	14X15.300	1	0	320
354-151F	16X15.300	1	0	320
354-181F	18X18.701	1	0	320
354-182F	18X18.360	1	0	320
354-201F	20X22.047	1	0	320
354-200F	20X20.400	1	0	320
354-241F	24X24.803	1	0	320

For more information, refer to 80, 100 & 125 psi PIP Fabrication Fittings.

PIP = Plastic Irrigation Pipe (dimensions are NOT the same as IPS dimensions)

Sizes 6" - 16" are furnished with Glass Filled PVC ring.
Sizes 18" - 24" are furnished with steel ring.

Flange One Piece

Socket



1/2" - 16" 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

18" - 24" 50 psi Maximum Internal Pressure Rating @ 73°F (23°C)

851-005	1/2	25	0	080
851-007	3/4	25	0	080
851-010	1	15	0	080
851-012	1-1/4	15	0	080
851-015	1-1/2	20	0	080
851-020	2	10	0	080
851-025	2-1/2	10	0	080
851-030	3	10	0	080
851-040	4	5	0	080
851-050	5	5	0	080
851-060	6	5	0	080
851-080	8	2	0	080
851-140F	14	1	0	083
851-160F	16	1	0	083
851-180F	18	1	0	083
851-200F	20	1	0	083
851-240F	24	1	0	083

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
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Flange One Piece

Fipt



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

852-005	1/2	25	0	080
852-007	3/4	25	0	080
852-010	1	15	0	080
852-012	1-1/4	15	0	080
852-015	1-1/2	20	0	080
852-020	2	10	0	080
852-025	2-1/2	10	0	080
852-030	3	10	0	080
852-040	4	5	0	080
852-060F	6	1	8	083
852-080F	8	1	2	083

Flange - Special Reinforced One Piece

SR Fipt - Stainless Steel Collar



150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

852-005SR	1/2	25	0	086
852-007SR	3/4	25	0	086
852-010SR	1	15	0	086
852-012SR	1-1/4	15	0	086
852-015SR	1-1/2	15	0	086
852-020SR	2	10	0	086
852-025SR	2-1/2	10	0	086
852-030SR	3	10	0	086
852-040SR	4	5	0	086

Flange - Blind

1/2" - 12" Molded - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

14" - 24" Fabricated - 50 psi Maximum Internal Pressure Rating @ 73°F (23°C)

853-005	1/2	25	100	080
853-007	3/4	25	0	080
853-010	1	15	0	080
853-012	1-1/4	20	0	080
853-015	1-1/2	15	0	080
853-020	2	10	0	080
853-025	2-1/2	10	0	080
853-030	3	10	0	080
853-040	4	8	0	080
853-050F	5	1	5	083
853-060	6	5	0	080
853-080	8	5	0	080
853-100	10	3	0	081
853-120	12	2	0	081

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

JJ DOWNS INDUSTRIAL PLASTICS INC.

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Schedule 40 Fittings Product
Pipe Flanges

Pipe Flanges

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
Flange - Blind (continued)				
853-140F	14	1	0	083
853-160F	16	1	0	083
853-180F	18	1	0	083
853-200F	20	1	0	083
853-240F	24	1	0	083



Flange Van Stone Style with PVC Ring

Socket

1/2" - 18" molded - 150 psi = maximum internal pressure rating @ 73# (23#)

18" - 24" fabricated - 50 psi = maximum internal pressure rating @ 73# (23#)

854-005	1/2	25	0	080
854-007	3/4	25	0	080
854-010	1	15	0	080
854-012	1-1/4	15	0	080
854-015	1-1/2	20	0	080
854-020	2	10	0	080
854-025	2-1/2	10	0	080
854P-030	3	10	0	080
854P-040	4	5	0	080
854P-050	5	5	0	080
854P-060	6	5	0	080
854P-080	8	2	0	080
854P-100	10	2	0	081
854P-120	12	2	0	081
854P-140	14	1	0	082
854P-160	16	1	0	082
854P-180	18	1	0	082
854-180FP	18	1	0	083
854-200FP	20	1	0	083
854-240FP	24	1	0	083

Flange Van Stone Style with Glass Filled PVC Ring

Socket

3" - 18" molded - 150 psi = maximum internal pressure rating @ 73# (23#)

854-030	3	10	0	080
854-040	4	5	0	080
854-050	5	5	0	080
854-060	6	5	0	080
854-080	8	2	0	080
854-100	10	2	0	081
854-120	12	2	0	081
854-140	14	1	0	082
854-160	16	1	0	082
854-180	18	1	0	082

18" flange has 4-section ring



Part Number	Size	Std Pk	Mstr Ctn	Prod Code
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Flange Van Stone Style PVC with Solid Ring

Socket



150 psi Maximum Internal Pressure Rating @73# (23#)

S854-020	2	10	0	080
S854-030	3	10	0	080
S854-040	4	5	0	080

Flange Van Stone Style PVC with Glass Filled PVC Solid Ring

Socket



150 psi Maximum Internal Pressure Rating @73# (23#)

S854-060	6	5	0	080
S854-080	8	2	0	080
S854-100	10	2	0	081
S854-120	12	2	0	081

Flange Van Stone Style with Steel Ring

Socket



150 psi Maximum Internal Pressure Rating @73# (23#)

S854-180FS	18	1	0	083
S854-200FS	20	1	0	083
S854-240FS	24	1	0	083

Flange Van Stone Style Class 300 Bolt Pattern Fabricated with PVC Ring

Socket



1/2" - 16" molded with fab ring - 150 psi = maximum internal pressure rating @ 73# (23#)

18" - 24" fabricated - 50 psi = maximum internal pressure rating @ 73# (23#)

854-005CL300	1/2	1	25	083
854-007CL300	3/4	1	25	083
854-010CL300	1	15	90	083
854-012CL300	1-1/4	1	15	083
854-015CL300	1-1/2	1	20	083
854-020CL300	2	10	0	083
854-025CL300	2-1/2	1	10	083
854-030CL300	3	1	10	083
854-040CL300	4	3	0	083
854-060CL300	6	1	4	083
854-080CL300	8	1	3	083
854-100CL300	10	1	2	083
854-120CL300	12	1	0	083
854-140CL300	14	1	0	083
854-160CL300	16	1	0	083
854-180CL300	18	1	0	083
854-200CL300	20	1	0	083
854-240CL300	24	1	0	083

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

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Schedule 40 Fittings Product
Pipe Flanges

Pipe Flanges

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
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Flange Van Stone Style with PVC Ring



Fipt

150 psi Maximum Internal Pressure Rating @ 73呎 (23呎)

855-005	1/2	25	0	080
855-007	3/4	25	0	080
855-010	1	15	0	080
855-012	1-1/4	15	0	080
855-015	1-1/2	20	0	080
855-020	2	10	0	080
855-025	2-1/2	10	0	080

Flange Van Stone Style with Glass Filled PVC Ring



Fipt

150 psi Maximum Internal Pressure Rating @ 73呎 (23呎)

855-030	3	10	0	080
855-040	4	5	0	080
855-060	6	2	0	080
855-060F	6	1	4	083
855-080	8	2	0	080
855-080F	8	1	2	083
855-100F	10	1	2	083
855-120F	12	1	0	083

Flange Van Stone Style with PVC Ring



Spigot

1/2" - 16" = 150 psi maximum internal pressure rating @ 73呎 (23呎)
18" - 24" = 50 psi maximum internal pressure rating @ 73呎 (23呎)

856-005	1/2	25	0	080
856-007	3/4	25	0	080
856-010	1	15	0	080
856-012	1-1/4	15	0	080
856-015	1-1/2	15	0	080
856-020	2	10	0	080
856-025	2-1/2	10	0	080
856P-030	3	10	0	080
856P-040	4	5	0	080
856P-060	6	4	0	080
856P-080	8	2	0	080
856P-100	10	2	0	081
856P-120	12	2	0	081
856-200FP	20	1	0	083
856-240FP	24	1	0	083

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
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Flange Van Stone Style with Glass Filled PVC Ring



Spigot

3" - 12" molded, 14" - 18" molded/fabricated - 150 psi = maximum internal pressure rating @ 73呎 (23呎)

856-030	3	10	0	080
856-040	4	5	0	080
856-060	6	4	0	080
856-080	8	2	0	080
856-100	10	2	0	081
856-120	12	2	0	081
856-140FP	14	1	0	083
856-160FP	16	1	0	083
856-180FP	18	1	0	083

** Fabricated from molded socket flanges with pipe spigot.
18" flange uses 4-piece ring

Flange Van Stone Style with Steel Ring



Spigot

150 psi Maximum Internal Pressure Rating @ 73呎 (23呎)

856-140FS	14	1	0	083
856-160FS	16	1	0	083
856-180FS	18	1	0	083
856-200FS	20	1	0	083
856-240FS	24	1	0	083

Flange, One Piece PVC Multi-Bolt Pattern*



ASTM Socket x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73呎 (23呎)

M851-100	10	2	0	081
M851-120	12	2	0	081

Hubs fit 10" and 12" ASTM IPS pipe. Rings are manufactured to accept bolt patterns in size 10" and 12" in ANSI Class 150, B.S. 4504 PN10, B.S. 4504 PN16, Table E & JIS 10K for size 10", Table D & E for size 12" Consult Spears Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Flange Van Stone Style with Multi-Bolt Pattern PVC Ring*



ASTM Socket x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73呎 (23呎)

M854-020	2	10	0	080
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* Hubs fit 2" ASTM IPS pipe. Rings are manufactured to accept bolt patterns in size 2" in ANSI Class 150, B.S. 4504 PN10 B.S. 4504 PN16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

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Schedule 40 Fittings Product
Pipe Flanges & Van Stone Style Flange Replacement Split Rings

Pipe Flanges

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
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Flange Van Stone Style with Multi-Bolt Pattern Glass Filled PVC Ring*



ASTM Socket x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M854-060	6	5	0	080
M854-080	8	2	0	080

* Hubs fit 6" and 8" ASTM IPS pipe. Rings are manufactured to accept bolt patterns in size 6" and 8" in ANSI Class 150, B.S. 4504 PN10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Flange Van Stone Style with Multi-Bolt Pattern PVC Ring*



ASTM Spigot x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M856-020	2	10	0	080
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* Spigots fit 2" ASTM IPS fitting socket. Rings are manufactured to accept bolt patterns in size 2" in ANSI Class 150, B.S. 4504 NP10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Flange Van Stone Style with Multi-Bolt Pattern Glass Filled PVC Ring*



ASTM Spigot x Multi-bolt Pattern Ring

150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

M856-060	6	4	0	080
M856-080	8	2	0	080

* Spigots fit 6" and 8" ASTM IPS fitting socket. Rings are manufactured to accept bolt patterns in size 6" and 8" in ANSI Class 150, B.S. 4504 PN10 B.S. 4504 NP16 (except 8"), B.S. 10 Table D and B.S. 10 Table E. Consult Spears® Manufacturing Company Technical Services for additional information. Not for use with wafer valves.

Application & Use of Van Stone Style Flange Replacement Split Rings

Designed for easy Van Stone style flange ring replacement in the event of system modification, repair, or improper assembly without having to remove existing flange hub. Split rings are made as a direct replacement of existing one-piece rings used on Spears® brand only of Van Stone style flanges with ANSI Class 150 bolt pattern plastic rings. Remove old ring to be replaced then simply place the split ring sections around hub and install flange bolts (not included) through special designed section overlap to hold in position. Install appropriate user supplied bolts, washers and gasket (see Flange Gasket and Bolt Hardware Kits in this catalog); torque to specifications according to normal flange assembly. Split rings are a set of either 2-pieces or 4-pieces (illustrated) sections depending on size, in regular PVC, Glass Filled PVC, or CPVC for flange type and sizes listed.



Van Stone Style Flange Replacement Split Rings

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
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Flange Replacement Split Rings, PVC



For Spears® flanges with regular PVC Rings

854P-005-1S	1/2	10	0	080
854P-007-1S	3/4	10	0	080
854P-010-1S	1	15	0	080
854P-012-1S	1-1/4	15	0	080
854P-015-1S	1-1/2	10	0	080
854P-020-1S	2	10	0	080
854P-025-1S	2-1/2	10	0	080
854P-030-1S	3	10	0	080
854P-040-1S	4	10	0	080
854P-050-1S	5	5	0	080
854P-060-1S	6	5	0	080
854P-080-1S	8	4	0	080
854P-100-1S	10	4	0	081
854P-120-1S	12	2	0	081
854P-140-1S	14	4	0	082
854P-160-1S	16	1	0	082
854P-180-1S	18	1	0	082
854P-200-1S	20	1	0	083
854P-240-1S	24	1	0	083

Fits 854-xxx Socket, 855-xxx Threaded, and 856-xxx Spigot hub configurations

Flange Replacement Split Rings, Glass Filled PVC



For Spears® flanges with Glass Filled PVC Rings

854-030-1S	3	10	0	080
854-040-1S	4	10	0	080
854-050-1S	5	5	0	080
854-060-1S	6	5	0	080
854-080-1S	8	4	0	080
854-100-1S	10	4	0	081
854-120-1S	12	2	0	081
854-140-1S	14	2	0	081
854-160-1S	16	1	0	082
854-180-1S	18	1	0	082

Fits 854-xxx Socket, 855-xxx Threaded, and 856-xxx Spigot hub configurations

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

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Schedule 40 Fittings Product
Flange Bolt Kits

Flange Bolt Kits

Flange Bolt Kit Selection Guide

Order Gaskets & Bolt Kits Separately

- Kit Contains All Bolts, Nuts, & Flat Washers for Specified Flange Size
- For Connecting Two (2) Mating Spears® Flanges
- Pre-coated, Anti-seize Lubricated Bolts
- Available in Zinc Coated Steel, Type 304 Stainless Steel or Type 316 Stainless Steel

Flange Size	Bolts* Per Kit	Diameter (in-TPI)	Length (in.)	Hardware Kit Part Numbers		
				Zinc	316 SS	304 SS
1/2	4	1/2-13	2	HK-005	HK1-005	HK2-005
3/4 & 1	4	1/2-13	2-1/4	HK-010	HK1-010	HK2-010
1-1/4 & 1-1/2	4	1/2-13	2-1/2	HK-015	HK1-015	HK2-015
2	4	5/8-11	3	HK-020	HK1-020	HK2-020
2-1/2	4	5/8-11	3-1/4	HK-025	HK1-025	HK2-025
3	4	5/8-11	3-1/2	HK-030	HK1-030	HK2-030
4	8	5/8-11	3-1/2	HK-040	HK1-040	HK2-040
5 & 6	8	3/4-10	4	HK-060	HK1-060	HK2-060
8	8	3/4-10	4-1/2	HK-080	HK1-080	HK2-080
10 & 12	12	7/8-9	5	HK-120	HK1-120	HK2-120

* Each Bolt Includes Nut & Two(2) Flat Washers

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
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Flange Bolt Hardware Kits - Zinc Plated Steel

For Connection of 2-Spears® Flanges Includes - Bolts, Nuts & Flat Washers



HK-005	1/2	1	10	017
HK-010	3/4 & 1	1	10	017
HK-015	1-1/4 & 1-1/2	1	10	017
HK-020	2	1	10	017
HK-025	2-1/2	1	10	017
HK-030	3	1	10	017
HK-040	4	1	5	017
HK-060	5 & 6	1	5	017
HK-080	8	1	0	017
HK-120	10 & 12	1	0	017

Flange Bolt Hardware Kits - Type 316 Stainless Steel

For Connection of 2-Spears® Flanges Includes - Bolts, Nuts & Flat Washers



HK1-005	1/2	1	10	017
HK1-010	3/4 & 1	1	10	017
HK1-015	1-1/4 & 1-1/2	1	10	017
HK1-020	2	1	10	017

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
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Flange Bolt Hardware Kits - Type 316 Stainless Steel (continued)

For Connection of 2-Spears® Flanges Includes - Bolts, Nuts & Flat Washers

HK1-025	2-1/2	1	10	017
HK1-030	3	1	10	017
HK1-040	4	1	5	017
HK1-060	5 & 6	1	5	017
HK1-080	8	1	0	017
HK1-120	10 & 12	1	0	017

Flange Bolt Hardware Kits - Type 304 Stainless Steel

For Connection of 2-Spears® Flanges Includes - Bolts, Nuts, & Flat Washers



HK2-005	1/2	1	10	017
HK2-010	3/4 & 1	1	10	017
HK2-015	1-1/4 & 1-1/2	1	10	017
HK2-020	2	1	10	017
HK2-025	2-1/2	1	10	017
HK2-030	3	1	10	017
HK2-040	4	1	5	017
HK2-060	5 & 6	1	5	017
HK2-080	8	1	0	017
HK2-120	10 & 12	1	0	017

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

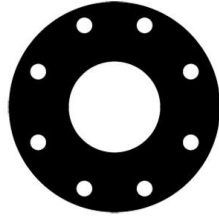
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Schedule 40 Fittings Product
Flange Gaskets - Full-Faced

Flange Gaskets - Full-Faced
Gasket Selection Guide



Flange Size	Bolt Holes	Gasket Part Number		
		Buna-N	EPDM	FKM
1/2	4	GK1-005	GK2-005	GK3-005
3/4	4	GK1-007	GK2-007	GK3-007
1	4	GK1-010	GK2-010	GK3-010
1-1/4	4	GK1-012	GK2-012	GK3-012
1-1/2	4	GK1-015	GK2-015	GK3-015
2	4	GK1-020	GK2-020	GK3-020
2-1/2	4	GK1-025	GK2-025	GK3-025
3	4	GK1-030	GK2-030	GK3-030
4	8	GK1-040	GK2-040	GK3-040
5	8	GK1-050	GK2-050	GK3-050
6	8	GK1-060	GK2-060	GK3-060
8	8	GK1-080	GK2-080	GK3-080
10	12	GK1-100	GK2-100	GK3-100
12	12	GK1-120	GK2-120	GK3-120

Order Gaskets & Bolt Kits Separately

- 1/8" Full-Face design with ANSI Class 150 Bolt Patterns
- Pressure rated to 150 psi @ 73°F
- Available in Buna-N, EPDM, or FKM

Flange Gaskets - Full-Faced Buna-N

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
GK1-005	1/2	1	25	017
GK1-007	3/4	1	25	017
GK1-010	1	1	25	017
GK1-012	1-1/4	1	25	017
GK1-015	1-1/2	1	25	017
GK1-020	2	1	25	017
GK1-025	2-1/2	1	25	017
GK1-030	3	1	25	017
GK1-040	4	1	25	017
GK1-050	5	1	25	017
GK1-060	6	1	25	017
GK1-080	8	1	25	017
GK1-100	10	1	25	017
GK1-120	12	1	25	017
GK1-140	14	1	25	017
GK1-160	16	1	25	017
GK1-180	18	1	25	017
GK1-240	24	1	25	017

Flange Gaskets - Full-Faced EPDM

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
GK2-005	1/2	1	25	017
GK2-007	3/4	1	25	017
GK2-010	1	1	25	017
GK2-012	1-1/4	1	25	017
GK2-015	1-1/2	1	25	017
GK2-020	2	1	25	017
GK2-025	2-1/2	1	25	017
GK2-030	3	1	25	017
GK2-040	4	1	25	017
GK2-050	5	1	25	017
GK2-060	6	1	25	017
GK2-080	8	1	25	017
GK2-100	10	1	25	017
GK2-120	12	1	25	017
GK2-140	14	1	25	017
GK2-160	16	1	25	017
GK2-180	18	1	25	017
GK2-200	20	1	25	017
GK2-240	24	1	25	017

Flange Gaskets - Full-Faced FKM

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
GK3-005	1/2	1	25	017
GK3-007	3/4	1	25	017
GK3-010	1	1	25	017
GK3-012	1-1/4	1	5	017
GK3-015	1-1/2	1	25	017
GK3-020	2	1	25	017
GK3-025	2-1/2	1	25	017
GK3-030	3	1	25	017
GK3-040	4	1	25	017
GK3-050	5	1	25	017
GK3-060	6	1	25	017
GK3-080	8	1	25	017
GK3-100	10	1	25	017
GK3-120	12	1	25	017
GK3-140	14	1	25	017
GK3-160	16	1	25	017
GK3-180	18	1	25	017
GK3-240	24	1	10	017

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

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