



Engineered Product Reference Guide

Customer Service
800.789.1718

SPR-Series Pressure Relief Valve



Used as a safety valve to bypass fluids if the discharge on a positive displacement pump is closed with the pump still running. The valve will open and bypass both liquids and gas.

3A certified for clean-out-of-place, they are found in the food processing, beverage, dairy, winery, brewery, pet products, and industrial markets.

Sizes

- 1-1/2" and 2"

Features

- Valve opens when the set pressure is reached to prevent excess pressure in piping or systems
- Valve body made from solid bar
- Low spare part cost

Materials

- Product contact metal components: 316L stainless steel
- Non-product contact metal components: 304 stainless steel
- Product contact seals: EPDM or FKM

Specifications

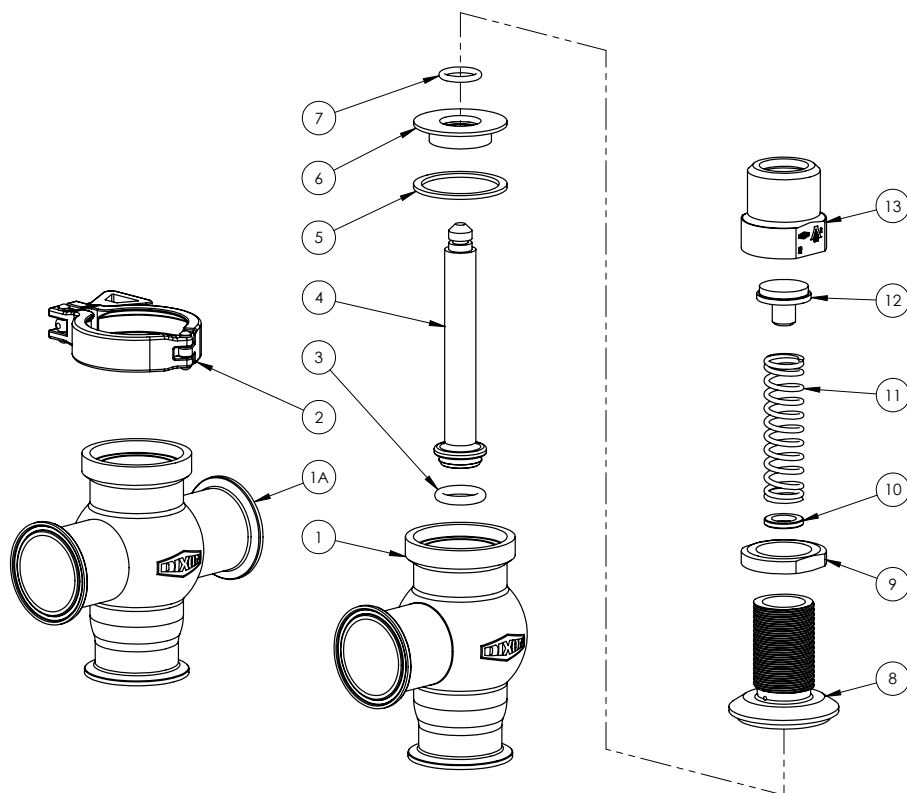
- Standard clamp connections
- Valve set pressure ranges
 - **10-49 PSI**
 - **50-99 PSI**
 - **100-300 PSI**
- Maximum operating temperature: **266°F (130°C)**
- Maximum sterilization temperature (20 minutes maximum): **300°F (148°C)**
- Surface finish
 - Product contact metal components: < 32 Ra on all product contact surfaces
 - Non-product contact metal components: > 32 Ra
 - Cleaning method: 3A certified for clean-out-of-place



SPR-Series Pressure Relief Valve – Part Number Key

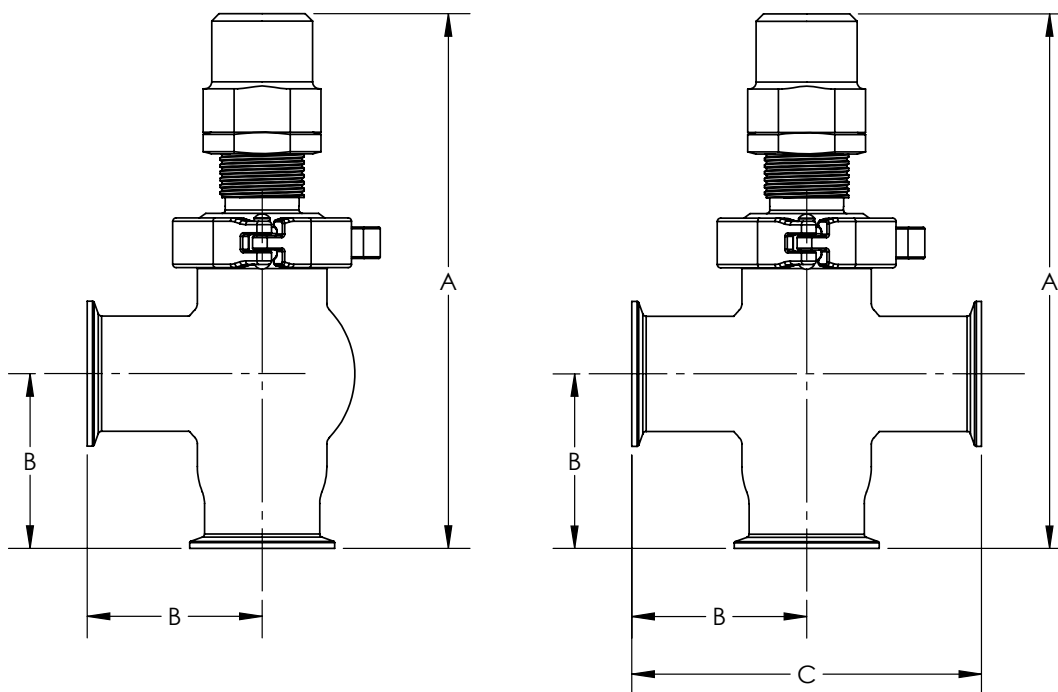
SPR-Series Pressure Relief Valve Part Number Key Example: SPR-LCE1A150		Series		Body Style	Connection	Elastomer	Spring Set Range (PSI)	Size	Finish
		SPR	-	L	C	E	1A	150	
Series	Code	SPR		L	C	E	1A	150	
SPR	SPR								
Body Style	Code			L	C	E	1A	150	
L-body style	L								
T-body style	T			L	C	E	1A	150	
Connection	Code								
Clamp	C			L	C	E	1A	150	
Elastomer	Code								
EPDM	E			L	C	E	1A	150	
FKM	V								
Spring Set Range	Code			L	C	E	1A	150	
10 - 49 PSI	1A								
50 - 99 PSI	2A			L	C	E	1A	150	
100 - 300 PSI	3A								
Size	Code			L	C	E	1A	150	
1-1/2"	150								
2"	200			L	C	E	1A	150	
Surface Finish	Code								
32 Ra	blank			L	C	E	1A	150	
25 Ra	B								
20 Ra	C			L	C	E	1A	150	
15 Ra	D								

SPR-Series Pressure Relief Valve – Bill of Materials



Item #	Description	Part #		Material	Qty
		1-1/2"	2"		
1	L-body style	SPR-LBDY150	SPR-LBDY200	316L	1
1A	T-body style	SPR-TBDY150	SPR-TBDY200		1
2	I-line clamp	13ILH100-150	13ILH200	304	1
3	stem seal	SPR-SSE		EPDM	1
		SPR-SSV		FKM	1
4	stem	SPR-STEM150	SPR-STEM200	316L	1
5	body gasket	40IE150	40IE200	EPDM	1
		40IV150	40IV200	FKM	
6	stem holder	SPR-SH150	SPR-SH200	316L	1
7	stem O-ring	SPR-SOE		EPDM	1
		SPR-SOV		FKM	
8	adapter	SPR-ADPTR150	SPR-ADPTR200	304	1
9	locking nut	SPR-LN		304	1
10	washer	SPR-WSHR		304	1
11	50 PSI spring	SPR-S50		304	1
	100 PSI spring	SPR-S100			1
	300 PSI spring	SPR-S300			1
12	top cap	SPR-TOPCAP		304	1
13	adjustable cap	SPR-ADJSTCAP		304	1

SPR-Series Pressure Relief Valve – Dimensions



Size	A (in)	B (in)	C (in)	Connection
1-1/2"	9.2	2.7	5.4	tri-clamp
2"	9.8	3.0	6.1	tri-clamp

Notes

Limited Warranty

DIXON VALVE & COUPLING COMPANY, LLC (herein called "Dixon") warrants the products described herein and manufactured by Dixon to be free from defects in material and workmanship for a period of one (1) year from date of shipment by Dixon under normal use and service. Its sole obligation under this warranty being limited to repairing or replacing, as hereinafter provided, at its option any product found to Dixon's satisfaction to be defective upon examination by it, provided that such product shall be returned for inspection to Dixon's factory within three (3) months after discovery of the defect. The repair or replacement of defective products will be made without charge for parts or labor. This warranty shall not apply to: (a) parts or products not manufactured by Dixon, the warranty of such items being limited to the actual warranty extended to Dixon by its supplier; (b) any product that has been subject to abuse, negligence, accident, or misapplication; (c) any product altered or repaired by others than Dixon; and (d) normal maintenance services and the replacement of service items (such as washers, gaskets, and lubricants) made in connection with such services. To the extent permitted by law, this limited warranty shall extend only to the buyer and any other person reasonably expected to use or consume the goods who is injured in person by any breach of the warranty. No action may be brought against Dixon for an alleged breach of warranty unless such action is instituted within one (1) year from the date the cause of action accrues. This limited warranty shall be construed and enforced to the fullest extent allowable by applicable law.

Other than the obligation of Dixon set forth herein, Dixon disclaims all warranties, express or implied, including but not limited to any implied warranties of merchantability or fitness for a particular purpose, and any other obligation or liability. The foregoing constitutes Dixon's sole obligation with respect to damages, whether direct, incidental, or consequential, resulting from the use or performance of the product.

Some products and sizes may be discontinued when stock is depleted or may require a minimum quantity for ordering.

Limits of Liability

This brochure is intended as a product offering. It is not intended to be a user or technical manual. Information in this brochure is subject to change without notice. All users and distributors of products sold through this brochure should contact Dixon with questions of use, compatibilities, coupling procedures, and life of product. Our full-time engineering and test staff are always available to recommend uses and to assist distributors and users with any questions.



Safety



Safety logos, which appear throughout our catalog, are used as a reminder that the user should carefully review for the appropriateness of the product for the media, application, and environment in which it will be used.

NOTE: Because of the health hazards associated with contamination and lead content in drinking water systems, Dixon couplings, unless otherwise specifically approved, are not recommended for potable water service and should not be used in applications where drinking water will contact the wetted surfaces of the coupling.

All Dixon products are shipped in cartons with the following warning:

"WARNING: This product contains lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm."

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