



Our high quality, cost effective Series 1100 valves are designed for dosing pumps and skids, and are equally suited to other loading or relief functions. The valves are available in a breadth of sizes with standard options to cover most applications.

Manufactured in a wide variety of materials, the Series 1100 valves can be configured for all liquid types and are able to deal with large capacity flow rates. Spares kits are available for the whole series and valves can have factory pre-set pressures at no extra cost.

To choose the valve for your application use the valve specifier overleaf or contact our technical team for assistance. Special options by request.

- Dimensional drawings available for all sizes and connections
- 3.1 for metal valves and test certificates are available
- 1100 valves are in compliance with PED 2014/68/EU

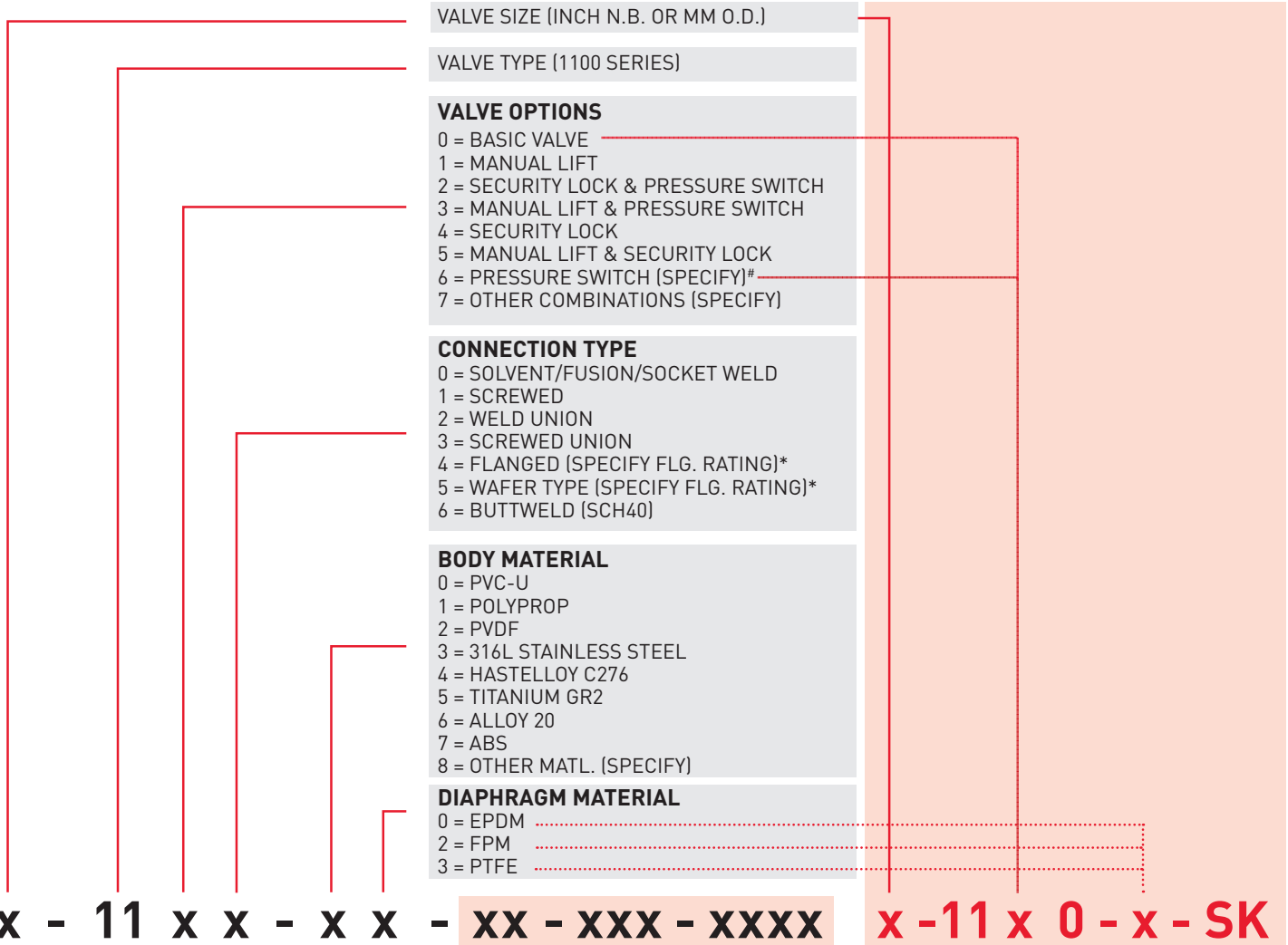
Bonnet Material	Max allowable temperature (based on bonnet construction)
PVC	60°C
Polypropylene	90°C
Stainless steel	90°C with EPDM diaphragms
Stainless steel	140°C with FPM or PTFE diaphragms

	Max allowable pressure @ 20°C
Plastic	
3/8" - 1 1/2"	16Bar
2"	12Bar
Metal	24Bar

Sizes			Pulsed flow rate	Damped flow rate	Adjustment range			
OD (mm)	DN	NB			Std relief	Std loading	HP relief	HP loading
			L/Hr	L/Hr	BarG	BarG	BarG	BarG
16	10	3/8"	200	400	0 - 10	0 - 3	0 - 26	0 - 8
20	15	1/2"	375	750	0 - 10	0 - 3	0 - 25	0 - 8
25	20	3/4"	625	1250	0 - 10	0 - 3	0 - 28	0 - 8
32	25	1"	1000	2000	0 - 10	0 - 3	0 - 38	0 - 6
40	32	1 1/4"	1500	3000	0 - 10	0 - 3	0 - 22	0 - 6
50	40	1 1/2"	2000	4000	0 - 10	0 - 3	0 - 22	0 - 5
63	50	2"	3000	6000	0 - 10	0 - 3	0 - 16	0 - 5
63 duplex	50 duplex	2" duplex	6000	12000	0 - 10	0 - 3	0 - 16	0 - 5

HOW TO SPECIFY YOUR VALVE:

SPARES KITS:



X - 11 X X - X X - XX - XXX - XXXX

X - 11 X 0 - X - SK

<p>DUP Duplex Valve</p> <p>DTX Dytex Solvent Weld (uPVC only)</p>	<p>DIN # DIN Pressure Switch</p> <p>NC Normally Closed Pressure Switch</p> <p>NO Normally Open Pressure Switch</p>	<p>NPT NPT Connections</p> <p>PPC Protective Port Caps</p>	<p>150 Ansi 150 lb flange</p> <p>300 Ansi 300 lb flange</p> <p>PN16 EN1902-1 PN16, PN25,PN40 flange</p>	<p>*</p> <p>HP Higher Pressure Spring</p> <p>HPS Higher Pressure Silver Plated Spring</p> <p>SS Silver Plated Spring</p>
<p>CPS Stainless Steel Cap</p> <p>PDB PVDF Bonnet</p> <p>PPB Polyprop Bonnet</p> <p>SB4 304 Stainless Steel Bonnet</p> <p>SB6 316 Stainless Steel Bonnet</p>	<p>AJM Mild Steel Adjuster Screw</p> <p>AJPE PTFE Adjuster Screw</p> <p>AJPP Polyprop Adjuster Screw</p> <p>AJS 316 Stainless Steel Adjuster Screw</p>	<p>PPH Hastelloy C276 Pressure Pad</p> <p>PPS 316L Stainless Steel Pressure Pad</p> <p>PPT Titanium Pressure Pad</p>	<p>BRPP Polyprop Coated Backing Rings</p>	

EXAMPLE VALVES:

1" - 1104-33-150-SB6 = 1" 1100 SERIES BASIC VALVE, FLANGED 150lb CONNECTION, 316 L S/STL BODY, PTFE COATED DIAPHRAGM, 316L STAINLESS STEEL BONNET

20-1102-02-NC = 20MM 1100 SERIES BASIC VALVE PLAIN SOCKET WELD UNION CONNECTION, PVC BODY, FPM DIAPHRAGM, NORMALLY CLOSED PRESSURE SWITCH

EXAMPLE SPARES KITS:

1"-1100-2-SK =1100 SERIES BASIC VALVE SPARES KIT WITH FPM DIAPHRAGM FOR SIZE 1"/32mm

1/2"-1160-0-SK =1100 SERIES BASIC VALVE SPARES KIT INCLUDING BOTH MAIN & SWITCH DIAPHRAGM IN EPDM FOR SIZE

1100 VALVES HAVE THE FOLLOWING COMPONENTS AS STANDARD:

3/8" & 1/2" - Polyprop bonnet, adjuster screw & pressure pad, 302 stainless steel spring.
 3/4" - 2" - PVC-U bonnet & adjuster screw, steel pressure pad & carbon steel spring.
 Plastic flanged valves are stub flanged with 316L stainless steel backing rings.