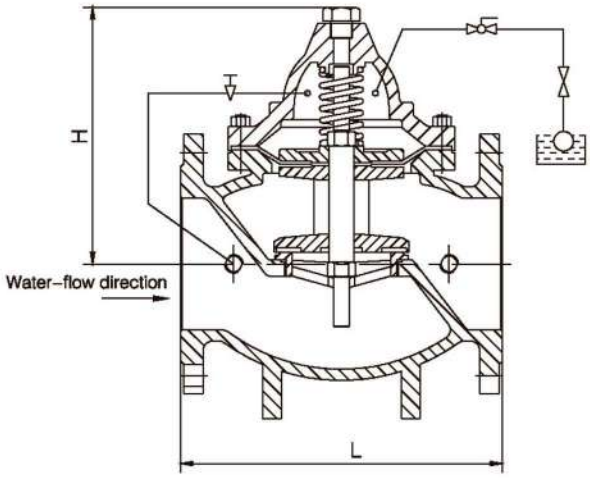
Canadian Stream Valve

WATER CONTROL VALVE, REGULATOR & BALANCING VALVE

www.cstreamvalves.com

100X Remote Control Floating Valve



Purpose

Able to control the liquid surface of a water tower or pool. Suitable for the automatic water supply system of various water pools and towers in industrial and mineral enterprises and civil buildings

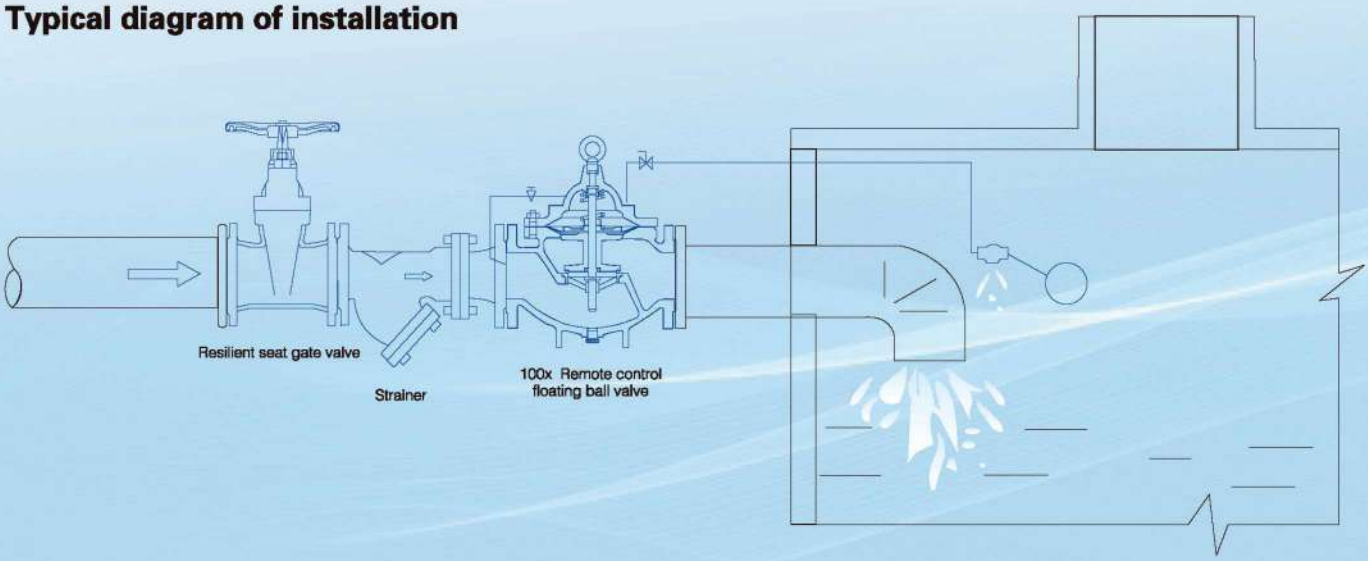
Principle

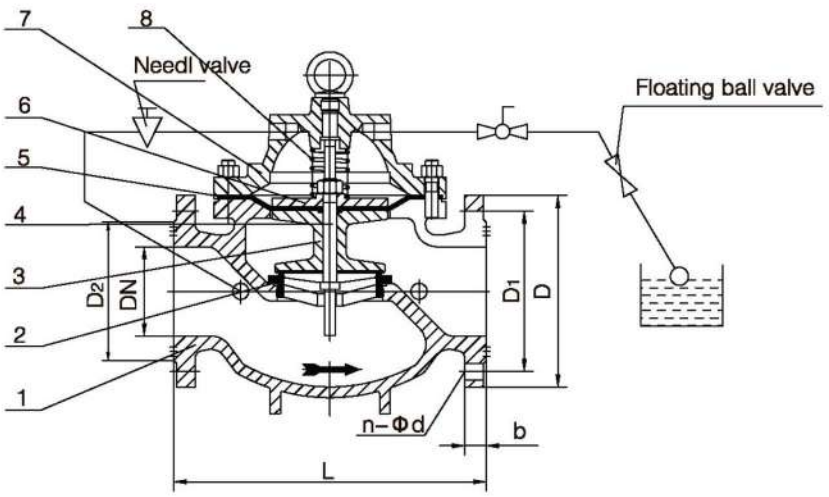
The upper cavity of the master valve is connected to the controlling floating ball and the floating ball valve is fixed on the liquid surface of a water tower. The floating ball valve is opened along with the lowering of the liquid surface to make the master valve opened to supply water to the water tower; and, when the liquid surface rises to the floating ball valve position, the floating ball valve is closed, so is the master one to stop water supply to the water tower.

Executive standard

Size of flange: GB/T 17241.6
Test and inspection: GB/T 13927

Typical diagram of installation



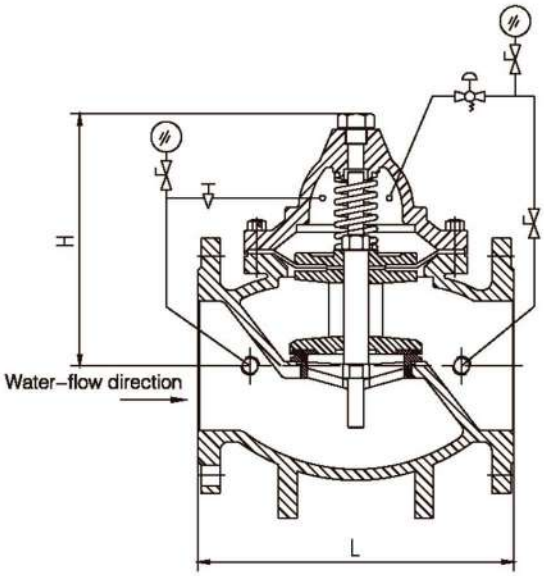


No.	Part	Material
1	Body	Ductile iron
2	Seat	Ductile iron
3	Disc	2Cr13+Rubber
4	Stem	2Cr13
5	Diaphragm	Rubber
6	Gland	Ductile iron
7	Bonnet	Ductile iron
8	Spring	Steel
9	Accessories	Stainless Steel

Main dimensions

DN	Length	Main dimensions									
		1.0MPa			1.6MPa			2.5MPa			
mm	L	D	D1	n–d	D	D1	n–d	L	D	D1	n–d
50	218	160	125	4–18	160	125	4–18	235	160	125	4–19
65	235	180	145	4–18	180	145	4–18	240	180	145	8–19
80	250	195	160	8–18	195	160	8–18	290	195	160	8–19
100	290	220	180	8–18	220	180	8–18	325	230	190	8–23
125	325	245	210	8–18	245	210	8–18	340	270	220	8–28
150	360	282	240	8–22	282	240	8–22	400	300	250	8–28
200	425	335	295	8–22	335	295	12–22	465	360	310	12–28
250	508	400	350	12–22	400	355	12–26	555	430	370	12–31
300	590	445	400	12–22	460	410	12–26	625	485	430	16–31
350	647	505	460	16–22	520	470	16–26				
400	720	565	515	16–26	580	525	16–30				
450	743	615	565	20–26	640	585	20–30				
500	782	670	620	20–26	715	650	20–34				
600	917	780	725	20–30	840	770	20–36				

Note:1. Other specifications and flange standards are available upon request.
2. Design and specifications are subject to change without prior notice.



Purpose

Adjust and control the outlet pressure of the master valve. The said pressure will not be changed along with the change with the inlet pressure, neither along with the change of the flow on the master valve outlet. Applicable for the living water supply, fire fighting system and industrial water supply system.

Principle

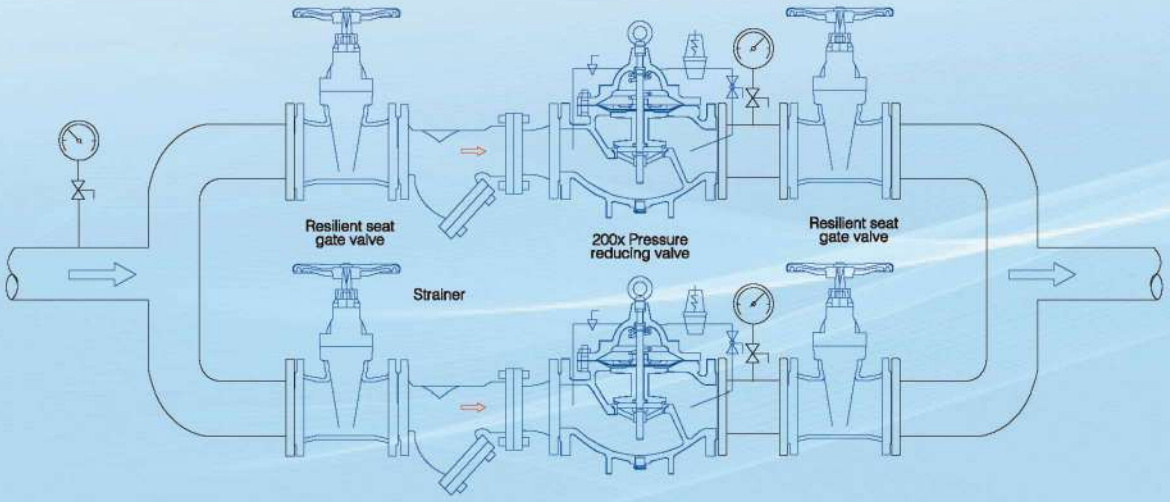
He medium, when enters the lower cavity of the body, pushes the disc upward and, at the same time, the medium enters the upper cavity of the diaphragm via the control pipe outside of the master valve. The upper cavity pressure is adjusted by the pilot valve. The pressure difference between the upper and lower cavities decides the up–and–down movement of the disc so as to change the outlet pressure. When the pressures of both cavities are identical, the disc stops at a some position and the outlet pressure is kept unchanged, acting at stabilizing the pressure.

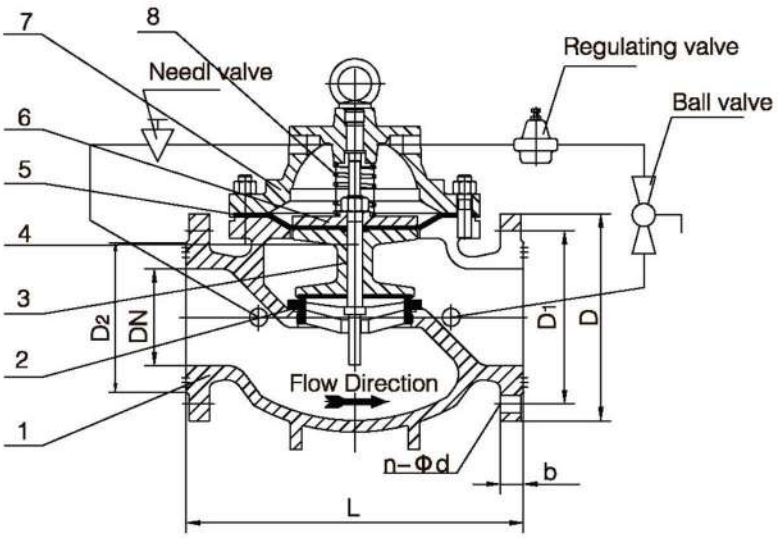
Executive standard

Size of flange: GB/T 17241.6

Test and inspection: GB/T 13927

Typical diagram of installation





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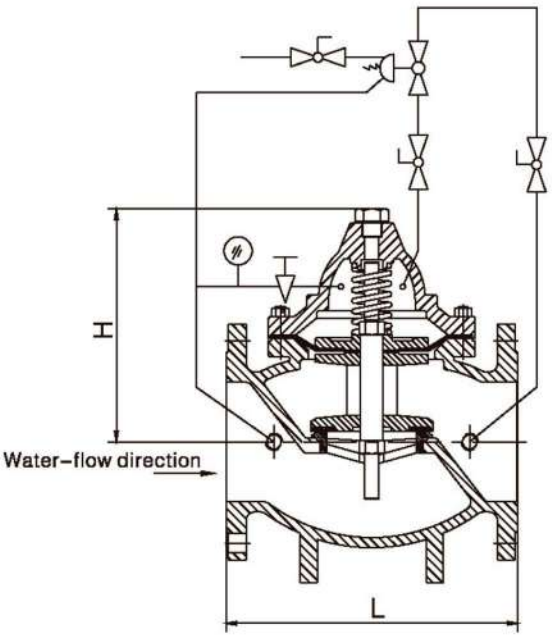


Purpose

This valve is used for the high building fire fighting system. When the pressure in the water supply pipeline is over the one set for pressure relieving, the pressure relieving valve is opened to prevent both pipeline and equipment from getting damaged due to an excessive pressure; and, when the said pressure lowers to the set value, this valve will be closed automatically.

Principle

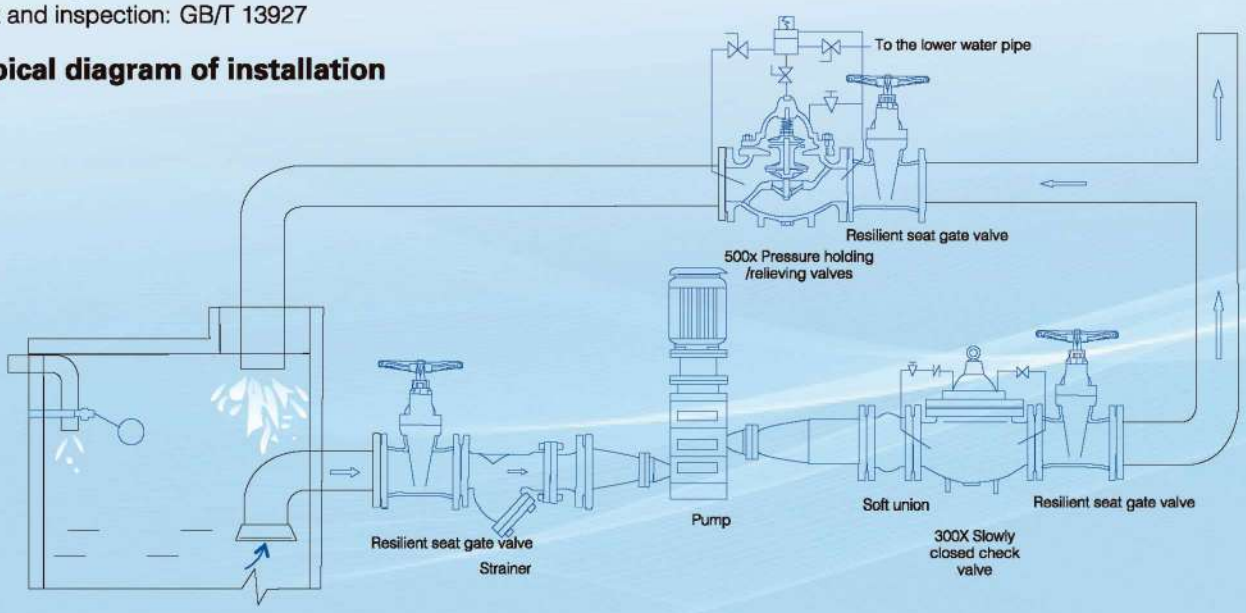
The inlet side of the master valve is connected to the pilot valve via a control pipe and, when the pressure at the said side is over the one set for the pilot valve, the pilot valve is opened to relieve the pressure in the upper cavity of the diaphragm and the main disc is opened along with. The master valve relieves pressure and, when the pressure lowers to the set one, the pilot valve is closed, so is the master valve.

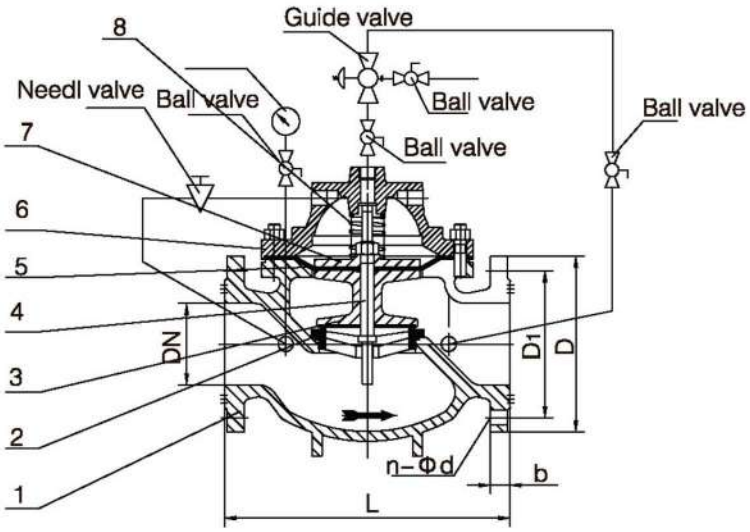
Executive standard

Size of flange: GB/T 17241.6

Test and inspection: GB/T 13927

Typical diagram of installation





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80	250	195	160	8–18	195	160	8–18	290	195	160	8–19
100	290	220	180	8–18	220	180	8–18	325	230	190	8–23
125	325	245	210	8–18	245	210	8–18	340	270	220	8–28
150	360	282	240	8–22	282	240	8–22	400	300	250	8–28
200	425	335	295	8–22	335	295	12–22	465	360	310	12–28
250	508	400	350	12–22	400	355	12–26	555	430	370	12–31
300	590	445	400	12–22	460	410	12–26	625	485	430	16–31
350	647	505	460	16–22	520	470	16–26				
400	720	565	515	16–26	580	525	16–30				
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600	917	780	725	20–30	840	770	20–36				

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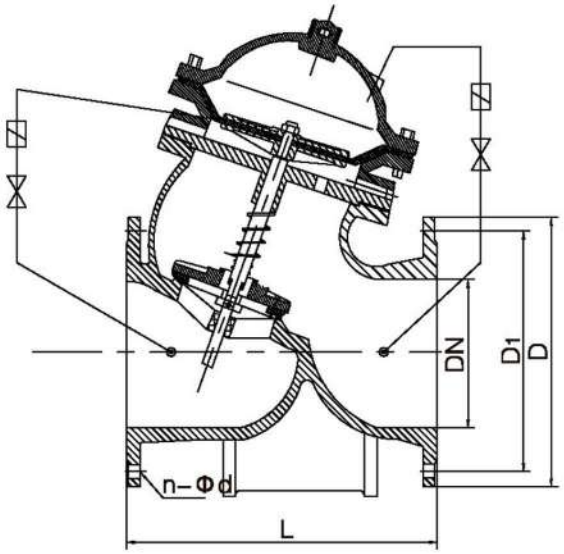
JD745X Waterpower Pump Control Valve

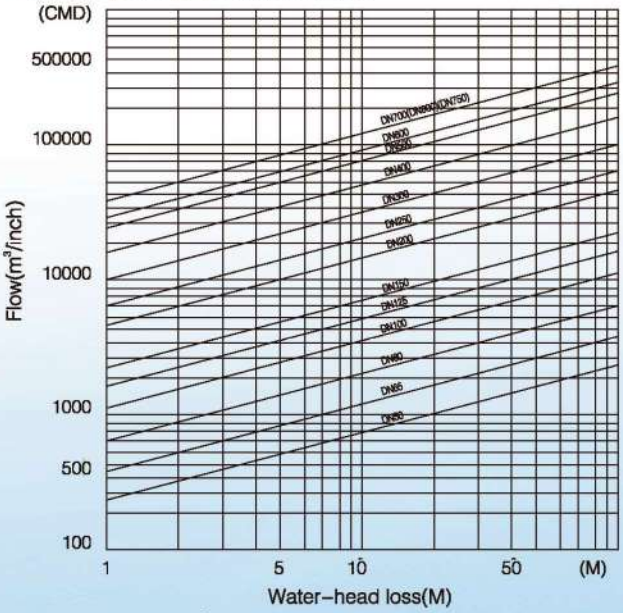


Performance range

Size	50~1200			mm
Pressure	1.0	1.6	2.5	MPa
Shell test	1.5	2.4	3.75	
Sealing test	1.1	1.76	2.75	
Hermetic seal test M	0.6	0.6	0.6	
Suitable temperature	≤100			℃
Suitable medium	Water			

Note:
1. When PN=2.5MPa, the material of both body and bonnet is cast steel, the flange size executes.
2. The control pipeline, piolt valve, piping etc. outside of the master valve are all made of copper alloy.
3. The rubber part can also be made of EPDM or fluorine rubber.

Relational curve between flow–pressure difference characteristic of multi–functional water pump control valve



●CMD–m³/day; M–m
●The testing state of the valve comes as full–open.

Main part materials

Title	Material
Body, Bonnet	Grey cast iron/Cast steel/Stainless steel
Stem	Stainless steel
Membrane	Reinforced NBR
Seal ring of disc	Rubber
Spring	Stainless steel
Disc, Seat ring	Copper alloy
Surface coating	Epoxy resine

Main dimensions

DN		50	65	80	100	125	150	200	250	300	350	400	450	500	600
L		200	210	240	295	330	350	430	500	560	600	650	710	760	880
D	PN10	165	185	200	220	250	285	340	395	445	505	565	615	670	780
	PN16	165	185	200	220	250	285	340	405	460	520	580	640	715	840
D1	PN10	125	145	160	180	210	240	295	350	400	460	515	565	620	725
	PN16	125	145	160	180	210	240	295	355	410	470	525	585	650	770
n–Φd	PN10	4–18	4–18	8–18	8–18	8–18	8–22	8–22	12–22	12–22	16–22	16–26	20–26	20–26	20–30
	PN16	4–18	4–18	8–18	8–18	8–18	8–22	12–22	12–26	12–26	16–26	16–30	20–30	20–33	20–36

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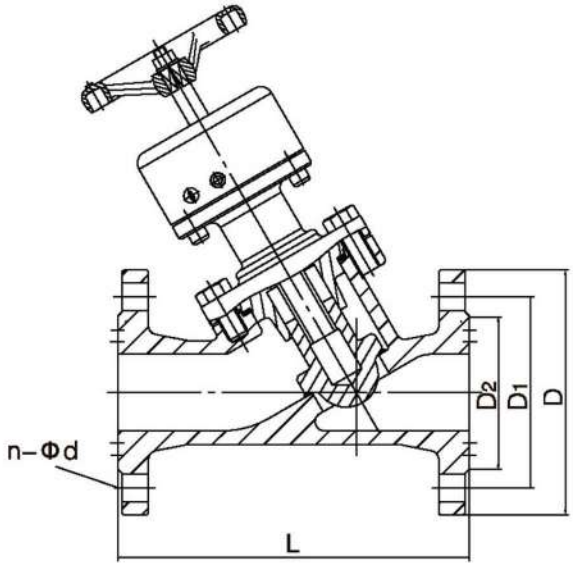
SP45F Balancing Valve



Purpose

Digital lock balance valve is a multi–functional liquid flow control valve, it can be convenient and accurate regulation of flow, widely used in heating and air conditioning system and other need to regulate the flow of pipeline system.

Main performance parameters

Size	50~300		mm
Pressure	1.0	1.6	MPa
Shell test	1.5	2.4	
Sealing test	1.1	1.76	
Suitable temperature	≤120		℃
Suitable medium	Water		

Size of flange: GB/T 17241.6

Main part material

Part	Material
Body	Cast iron/Ductile iron
Bonnet	Cast iron/Ductile iron
Disc	Stainless steel
Seat	PTFE
Stem	2Cr13
Gasket	XB450
Handwheel	Q235
Test valve	Cooper

Main connecting dimensoins

DN		50	65	80	100	125	150	200	250	300
L		232	258	284	310	335	364	470	560	600
D	PN10	160	180	190	215	245	280	335	405	455
	PN16	160	180	190	215	245	280	335	405	455
D_1	PN10	125	145	160	180	210	240	295	350	400
	PN16	125	145	160	180	210	240	295	355	410
n–Φd	PN10	4–18	4–18	8–18	8–18	8–18	8–23	8–23	12–23	12–23
	PN16	4–18	4–18	8–18	8–18	8–18	8–23	12–23	12–26	16–26

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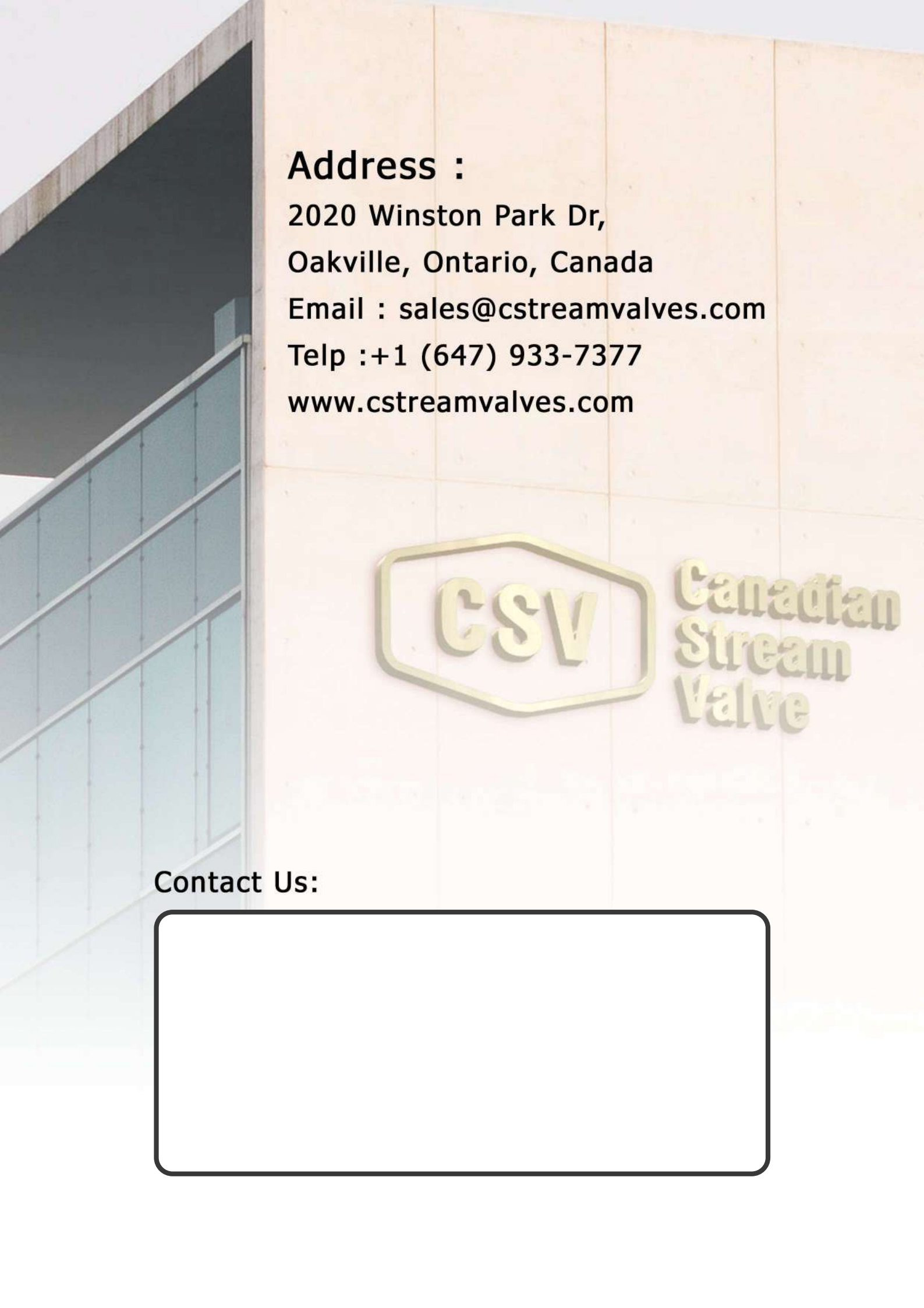

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