BUTTERFLY VALVES

RD..

These ring butterfly valves are used to control liquid flow in closed circuit heating systems. RD.. valves have a small leakage rate and are suitable for normal hot water boiler applications. RDP.. valves have tight shut-off characteristics and are suitable for hot water, chilled water and up to 30% glycol systems. In open circuits ie mains water, cooling towers, mineral deposits will impair the operation.


RD..

Materials: Cast Iron Body, Brass disc, Stainless Steel spindle, Graphite asbestos packing gland.

Media temp. 2°C - 110°C

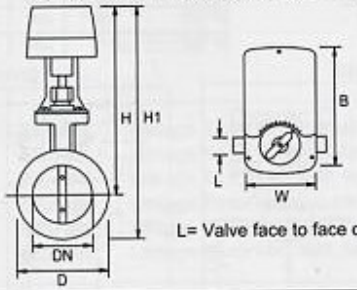
The RDP.. valves have a PTFE lining providing tight shut-off and allowing standard actuators to be used.

LARGER SIZES AVAILABLE ON REQUEST

Type	Size mm	Max Diff Press Bar	Kvs m³/h	Leakage %Kvs	Max Static Press. Bar	Select Motor 8Nm	16Nm	Spring Return
RD25	25	8	12	0.5	16	E08..	E16..	ER16..
RD32	32	8	20	0.5	16	E08..	E16..	ER16..
RD40	40	8	47	0.5	16	E08..	E16..	ER16..
RD50	50	5	85	0.5	16	E08..	E16..	ER16..
RD65	65	3	165	0.5	16	E08..	E16..	ER16..
RD80	80	2	250	0.5	16	E08..	E16..	ER16..
RD100	100	1.5	435	0.5	16		E16..	ER16..
RD125	125	1.2	745	0.5	16		E16..	ER16..
RD150	150	1	1350	0.5	16		E16..	ER16..
RDP-25	25	8	12	**0.05**	16	E08..	E16..	ER16..
RDP-32	32	8	20	**0.05**	16	E08..	E16..	ER16..
RDP-40	40	8	62	**0.05**	16	E08..	E16..	ER16..
RDP-50	50	5	115	**0.05**	16	E08..	E16..	ER16..
RDP-65	65	3	185	**0.05**	16	E08..	E16..	ER16..
RDP-80	80	2	290	**0.05**	16	E08..	E16..	ER16..
RDP-100	100	1.2	480	**0.05**	16		E16..	ER16..
RDP-125	125	1	785	**0.05**	16		E16..	ER16..
RDP-150	150	0.8	1400	**0.05**	16		E16..	ER16..
RDP-200	200	0.3	2400	**0.05**	16		E24.. 24Nm motor only.	

SELECT VALVE + LINKAGE + MOTOR **SEE SEPARATE DATA SHEET TO SELECT MOTOR.**

DIMENSIONS: Fit valve between mating flanges for pressure ratings required between PN6 to PN16



L= Valve face to face dimension

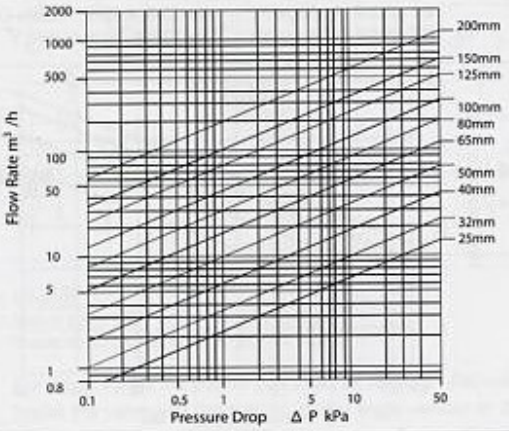
VALVE SIZE	DN	D	H	H1	W	L	B1	B2
25mm	31	64	176	215	102	30	180	250
32mm	37	76	187	232	102	30	180	250
40mm	40	86	192	242	102	30	180	250
50mm	50	97	202	256	102	35	180	250
65mm	65	118	208	272	102	35	180	250
80mm	80	132	218	288	102	40	180	250
100mm	100	150	228	310	102	40	180	250
125mm	125	182	242	339	102	45	180	250
150mm	150	206	262	372	102	45	180	250
200mm	200	260	324	458	102	50	180	250

B1 when using E08.. E16.. E24.. B2 when using ER16..

ACCESSORIES:

EE-4RD	Linkage Kit for RD valves 25--150mm	Suitable for use with E08.. and E16.. motors ONLY
EE-6RD	Linkage Kit for RD valves 25-150mm	Suitable for use with ER16.. spring return motors ONLY
EE-7RD	Linkage Kit for RD 200mm valves.	Suitable for use with E24.. motors ONLY

EXAMPLES:



Typical Application

For use in low pressure hot water (LPHW) heating systems to prevent water flow through unfired boilers in a multi-boiler installation.
RD.. valves can also be used as zone valves where slight leakage in the closed position is acceptable.
RDP.. valves can be used on applications which require tight shut off ie. hot water, chilled water and up to 30% glycol systems.

Operation

When installed in a boiler return pipeline and the system requires the boiler to operate, a control signal/changeover contact can be used to motor open the valve and allow water to flow through the boiler.
The burner can then operate under the control of the boiler thermostat.
A motor with auxiliary switches can be used to ensure that the valve is open before the burner operates.

Installation: Install the valve with the spindle at any angle from vertical to 30 degrees above the horizontal plane.