



*Engineered to last*

## STANDARD DESIGN 100-450mm

The TESV range of slide valves are used to halt or control the flow of powders or granules from a hopper or conveyor.

Standard designs range from 100mm to 450mm but we can design larger, smaller or intermediate sizes.

Although square by default, round feed flanges can be accommodated with a simple inlet plate and outlet transition, drilled to suit.



## MANUFACTURED TO ANY SIZE

If the standard valve sizes are not suitable then MID offer a bespoke TESV, manufactured to exactly the dimensions you require.

If you need a custom square, round or rectangular inlet we can design a unit to fit your dimensions exactly. Thin face to face dimensions, custom flange widths etc are all possible.

## NO CHEST SEAL

The main area of maintenance on a slide valve is the chest seal, where the slide plate pulls through a narrow slot, usually sealed with a compression packing. This, when used with abrasive products, wears out and needs continual maintenance.

The TESV does not have a chest seal to maintain. The body and plate are machined to a close tolerance to provide a good seal against powder when the valve is closed.

## FREQUENT OPERATION

The lack of a chest seal means the TESV valve is particularly suited to high cycling duty such as load-out valves.

The unique cam system on the plate keeps the close tolerance machined surfaces away from each other when the plate is moving, removing the main area of wear in a slide valve and enabling the slide plate to be opened and closed without excessive maintenance.

For pneumatic valves, the exhaust air is piped back into the chest area to use the waste air to sweep the chest clean of any carry over product.

## ATEX CERTIFICATION

The TESV range is certified by Basseefa for use with explosive products within a Zone 21 / 22 hazardous area classification

	Internal	External
Zone 1/21		
Zone 2/22		

## FLEXIBLE DESIGN

Some valves require careful engineering for the application. We have manufactured valves from Hastelloy, titanium and PTFE coated the internals for chemical compatibility.

Where a tight shutoff is required, we can use custom made inflatable seals that inflate when the valve is closed to isolate the valve.

Integral water spray systems and high temperature versions have also been made.

## CHOICE OF ACTUATORS

Available with a manual slide with non-rising stem, with pneumatic or hydraulic cylinders or with electric actuator.

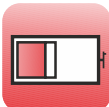
Positioners are available for powered models.



Butterfly



Rotary



Slide



Knifegate



Diverter



Dyris



Ceramic



Specials



Sifter

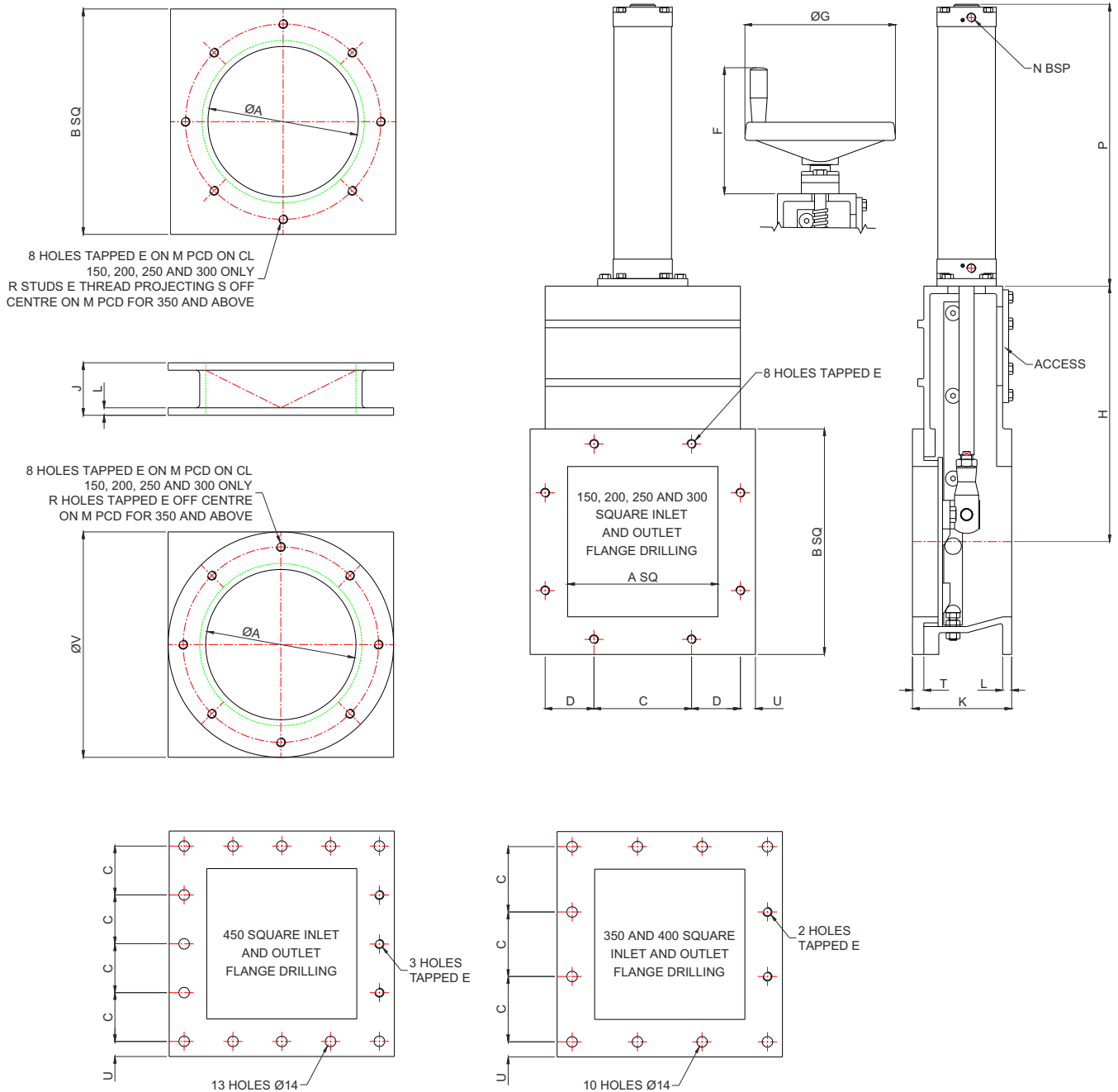


Seals





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Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V
150	250	120	45	M10	185	200	290	65	120	12	210	1/4"	305	8	-	15	20	250	
200	300	130	65	M12	185	200	340	70	132	12	260	3/8"	375	8	-	15	20	300	
250	350	140	85	M12	212	355	440	75	145	12	310	3/8"	405	8	-	15	20	350	
300	400	150	105	M12	212	355	495	80	145	12	360	3/8"	475	8	-	15	20	400	
350	520	153	-	M12	212	355	650	85	140	8	445	1/2"	530	12	25	10	30.5	490	
400	572	170	-	M12	212	355	700	90	140	8	495	1/2"	580	16	25	10	31	540	
450	622	140	-	M12	212	355	750	95	140	8	550	1/2"	610	16	30	10	31	595	

