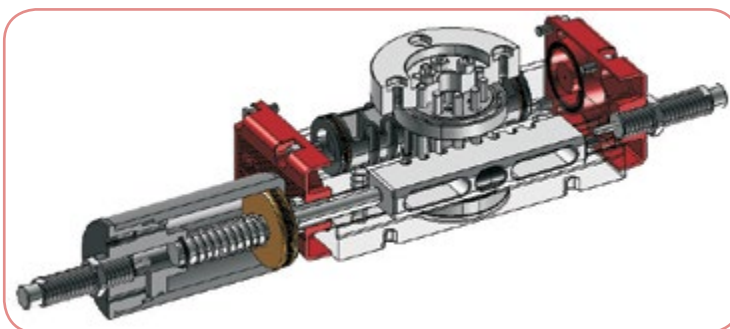


Intermediate Stopping Unit – RTD



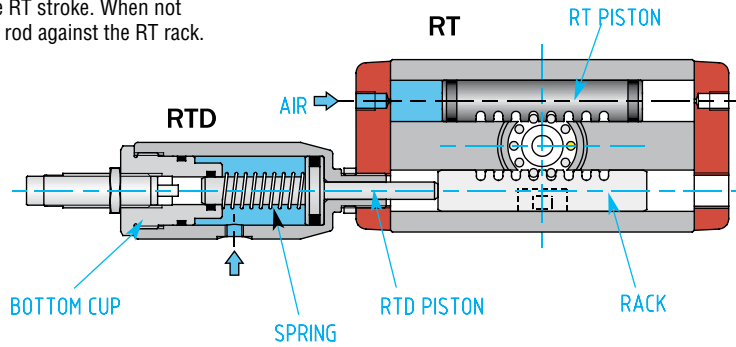
Part#	RTD-10	RTD-12	RTD-20	RTD-25	RTD-35	RTD-45	RTD-63
Quick#	6790	6791	6792	6793	6794	6795	6796
Price	\$141.00	\$152.00	\$175.00	\$187.00	\$209.00	\$253.00	\$338.00
Medium	Filtered, lubricated / non lubricated, compressed air						
Max. pressure range	116 psi						
Stroke for 90°	9.42mm	12.75mm	16.22mm	20.85mm	20.66mm	26.78mm	32.14mm
Piston bore Ø	15mm	20mm	30mm	35mm	50mm	63mm	80mm
Consumption each stroke	2cm ³	7cm ³	21cm ³	37cm ³	74cm ³	154cm ³	339cm ³
Weight	55g	100g	190g	300g	450g	1000g	1675g
To be used with:	RT-10	RT-12	RT-20	RT-25	RT-35	RT-45	RT-63

Use Quick#s for easy online ordering.

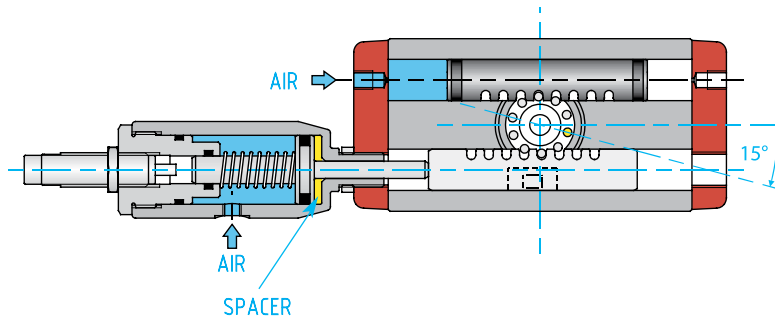
Intermediate Stopping Unit – RTD

Operating principle

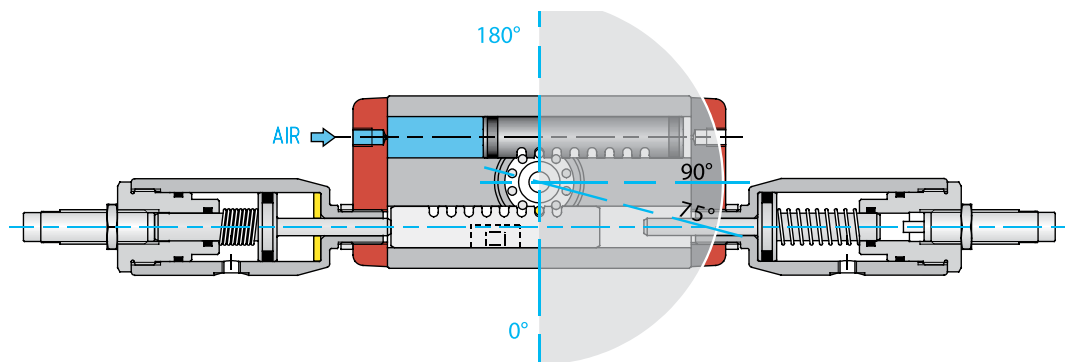
The intermediate stopping unit RTD is a stroke reducer, acting against the rack of the swiveling unit RT by a piston rod. The RTD piston bore is larger than RT and, pressurized at the same pressure, it stops in the middle of the RT stroke. When not pressurized, a spring keeps the RTD piston rod against the RT rack.



The RTD stroke can be modified by spacers in front of the piston, so that the intermediate stop can be moved in a different position. To mount a spacer the RTD must be open to extract the piston.



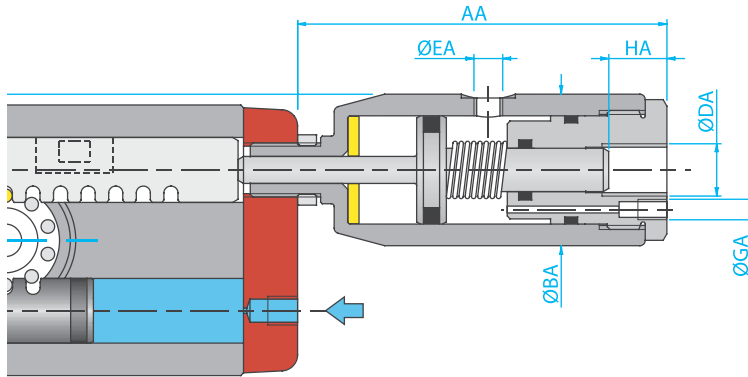
Two intermediate stops are possible using two RTD units, so that four positions can be reached.



The external end stroke positions can be adjusted ($0^\circ \pm 5^\circ$ or $180^\circ \pm 5^\circ$) by the same end stroke devices used in the RT (shock-absorbers, rubber bumpers, grub screws). The mid-stop position can be adjusted ($90^\circ \pm 5^\circ$) by moving the whole RTD body.



Intermediate Stopping Unit – RTD



	RTD-10	RTD-12	RTD-20	RTD-25	RTD-35	RTD-45	RTD-63
AA	48.8	68.3	85.3	97.8	96	124.6	143.6
BA	Ø23	Ø28	Ø36	Ø44	Ø56	Ø70	Ø89
CA	20.5	27	34	42.5	50	61	71.5
DA	M8x1	M10x1	M12x1	M12x1	M14x1.5	M20x1.5	M25x2.5
EA	(n°3)M5	(n°3) M5	/	/	/	/	/
GA	/	/	M5	M5	G1/8	G1/4	G1/4
L5	19	25	32.5	40.5	53	64	87
HA	7.2	10.7	11.8	14	15.9	21.7	27.4

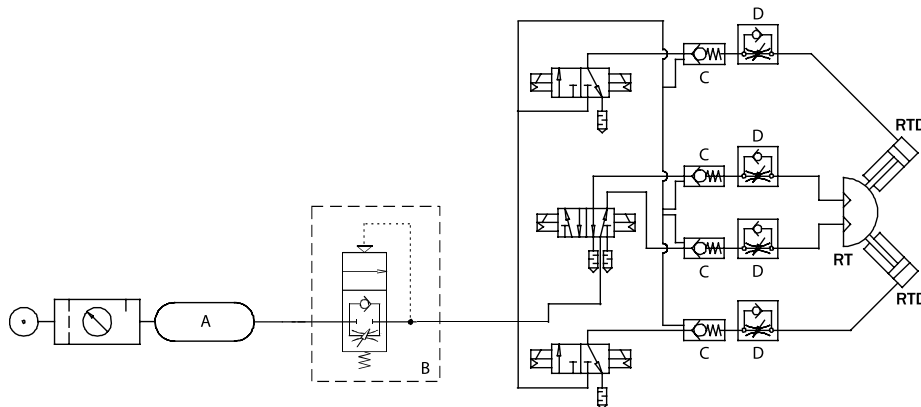
Pneumatic circuit

Possible problems on a compressed air circuit:

- 1- Pressure variation
- 2- Pressurizing with empty cylinder
- 3- Sudden pressure black-out
- 4- Excessive speed

Possible solutions:

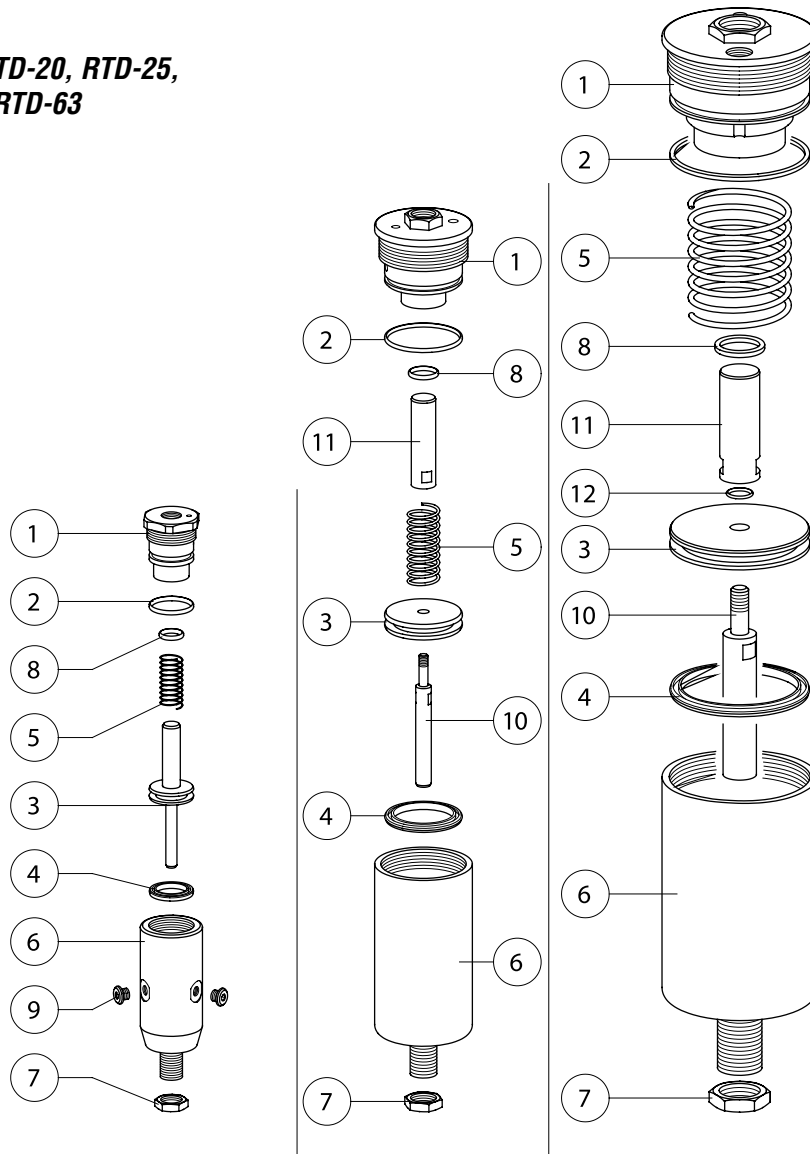
- 1- Compressed air storage (A)
- 2- Start-up valve (B)
- 3- Safety valve (C)
- 4- Flow controller (D)



Intermediate Stopping Unit – RTD

Parts

**RTD-10, RTD-12, RTD-20, RTD-25,
RTD-35, RTD-45 & RTD-63**



Part#	RTD-10	RTD-12	RTD-20	RTD-25	RTD-35	RTD-45	RTD-63
1- Bottom Cup	RTD-10-07	RTD-12-07	RTD-20-07	RTD-25-07	RTD-35-07	RTD-45-07	RTD-63-07
2- O-Ring	Ø1.78x12.42 (GUAR-047)	Ø1.78x12.42 (GUAR-047)	Ø1.78x12.42 (GUAR-047)	Ø1.78x12.42 (GUAR-047)	Ø1.78x12.42 (GUAR-047)	Ø1.78x12.42 (GUAR-047)	Ø1.78x12.42 (GUAR-047)
3- Piston	RTD-10-03	RTD-12-03	RTD-20-03	RTD25-03	RTD-35-03	RTD-45-03	RTD-63-03
4- Gasket	15x9x3 (GUAR-019)	20.7x13.75x2.55 (GUAR-120)	30x22x3.5 (GUAR-113E)	35x27x3.5 (GUAR-123E)	50x42x3.5 (GUAR-114E)	63x53x4.5 (GUAR-049E)	80x70x4.5 (GUAR-126)
5- Spring	RTD-10-20	RTD-12-20	RTD-25-20	RTD-25-20	OFR30-95-07	GN-305-05	GN-305-05
6- Body	RTD-10-02	RTD-12-02	RTD-20-02	RTD-25-02	RTD-35-02	RTD-45-02	RTD-63-02
7- Nut	M8x1	M10x1	M12x1	M12x1	M14x1.5	M20x1.5	M25x1.5
8- O-Ring	Ø1.78x6.75 (GUAR-012)	Ø1.78x7.66 (GUAR-045)	Ø1.78x10.82 (GUAR-080)	Ø1.78x10.82 (GUAR-012)	Ø1.78x12.42 (GUAR-047)	Ø2.62x17.86 (GUAR-034)	Ø2.62x20.29 (GUAR-061)
9- Plug	107-M5	107-M5	/	/	/	/	/
10- Piston Rod	/	/	RTD-20-05	RTD-25-05	RTD-35-05	RTD-45-05	RTD-63-05
11- End Stroke Stopper	/	/	RTD-20-04	RTD-25-04	RTD-35-04	RTD-45-04	RTD-63-04
12- O-Ring	/	/	/	/	/	Ø1.75x8.75 (GUAR-013)	Ø1.78x10.82 (GUAR-080)