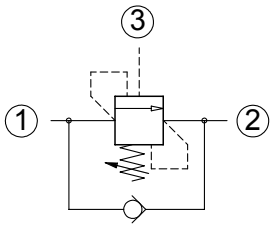
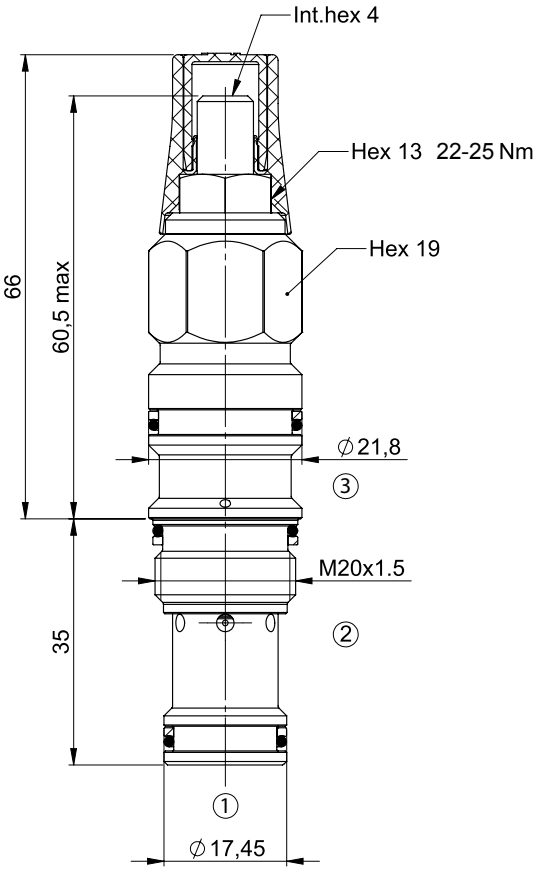
Load holding valves

Normale Ristretta T11A 3:1 SP adj. setting **FINE CONTROL**



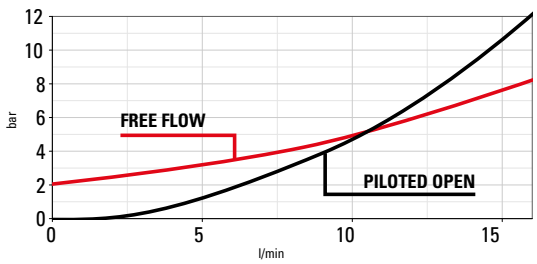




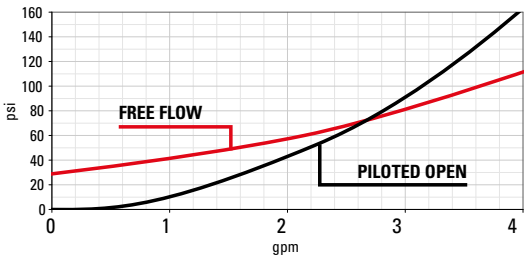
Technical Details

cavity	T11A
capacity	15 lpm (4 gpm)
max operating pressure	350 bar (5000 psi)
pilot ratio	3:1
maximum setting	390 bar (5650 psi)
minimum setting	30 bar (500 psi)
pressure increase per turn	173 bar (Spring D) - 155 bar (Spring M) - 27 bar (Spring T)
pressure setting established @	cracking pressure (1in3/min)
maximum valve leakage at reseat	5 drops / minute
operating characteristic	standard
reseat	>85%
maximum recommended load pressure at maximum setting	300 bar (4350 psi)
valve hex size (mm)	19
valve installation torque	40-45 Nm (30-35 lbf ft)
adjustment screw internal hex size (mm)	4
seal-lock hex size (mm)	13
seal-lock torque	22-25 Nm (16-18 lbf ft)
valve weight	0.150 Kg (0.33 lbs)
external component surface treatment	zinc plating
seal kit (nbr)	S00T11ASN900000
seal kit (viton)	S00T11ASV900000
temperature range	.-30 to 100°C (-22 to 212°F) with BunaN seals
fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm2/s (cSt)
filtration	Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/14

- Turn adjustment clockwise to increase setting
- Backpressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure.
- Set your counterbalance valve at least 1.3 times the maximum load induced pressure.
- This valve is provided with positive seals on the pilot section
- Declared reseat value is obtained with valve set @ maximum setting



Performance curves



Seals
A = BUNA SEALS
G = BUNA tamper resistant
C = VITON SEALS
H = VITON tamper resistant

C	W	4						0	3	1	1	0	0	A

Setting (bar)

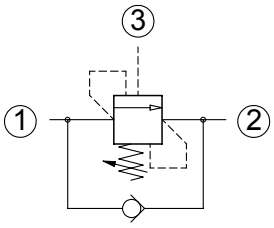
Spring
T = 30-105 bar
M = 100-280 bar
D = 200-390 bar

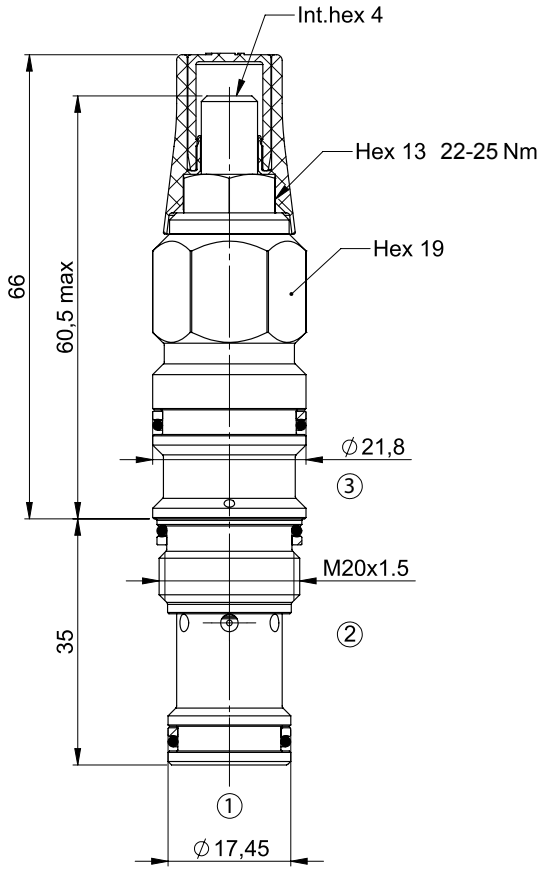
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Load holding valves

Normale Ristretta T11A 4:1 SP adj. setting **FINE CONTROL**



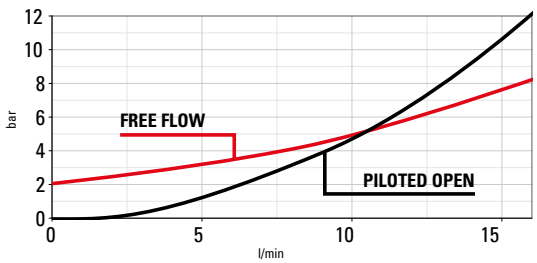




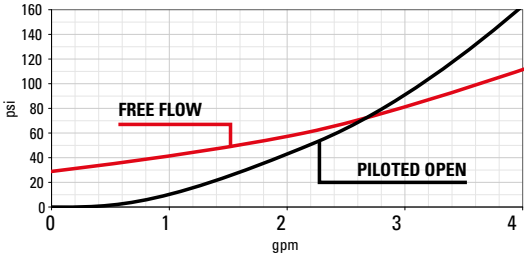
Technical Details

cavity	T11A
capacity	15 lpm (4 gpm)
max operating pressure	350 bar (5000 psi)
pilot ratio	4:1
maximum setting	390 bar (5650 psi)
minimum setting	30 bar (500 psi)
pressure increase per turn	173 bar (Spring D) - 155 bar (Spring M) - 27 bar (Spring T)
pressure setting established @	cracking pressure (1in3/min)
maximum valve leakage at reseat	5 drops / minute
operating characteristic	standard
reseat	>85%
maximum recommended load pressure at maximum setting	300 bar (4350 psi)
valve hex size (mm)	19
valve installation torque	40-45 Nm (30-35 lbf ft)
adjustment screw internal hex size (mm)	4
seal-lock hex size (mm)	13
seal-lock torque	22-25 Nm (16-18 lbf ft)
valve weight	0.150 Kg (0.33 lbs)
external component surface treatment	zinc plating
seal kit (nbr)	S00T11ASN900000
seal kit (viton)	S00T11ASV900000
temperature range	.-30 to 100°C (-22 to 212°F) with BunaN seals
fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm2/s (cSt)
filtration	Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/14

- Turn adjustment clockwise to increase setting
- Backpressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure.
- Set your counterbalance valve at least 1.3 times the maximum load induced pressure.
- This valve is provided with positive seals between all ports
- Declared reseat value is obtained with valve set @ maximum setting



Performance curves



Seals and anti-tamper options
A = BUNA SEALS
G = BUNA tamper resistant
C = VITON SEALS
H = VITON tamper resistant

C | W | 4 | | | | | | 0 | 4 | 1 | 1 | 0 | 0 | A

Setting (bar)

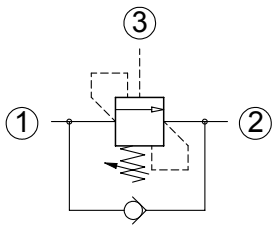
Spring
T = 30-105 bar
M = 100-280 bar
D = 200-390 bar

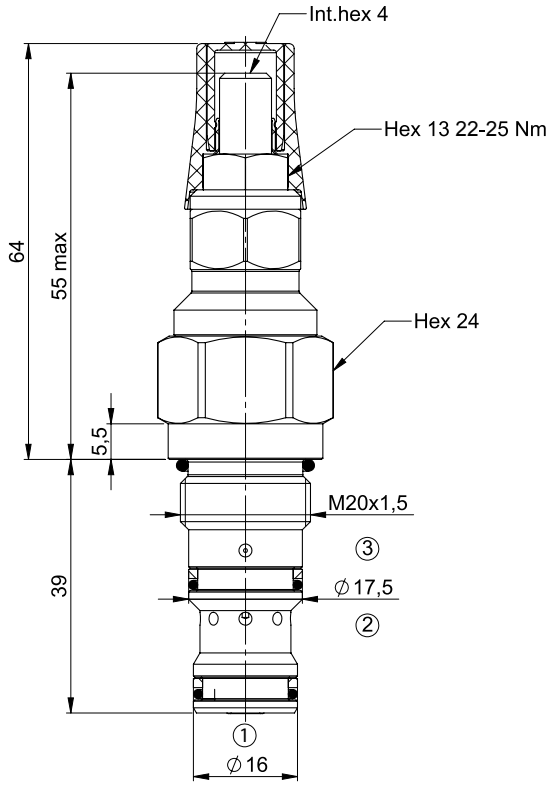
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Load holding valves

Normale i08 3:1 SP adjustable setting **FINE CONTROL**



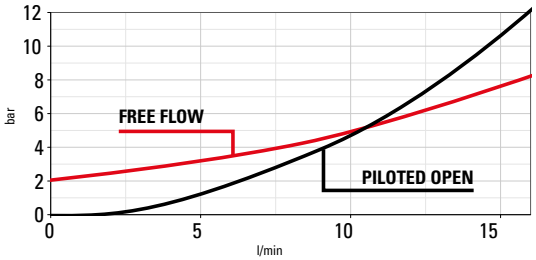




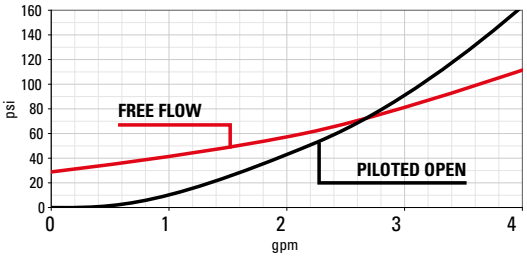
Technical Details

cavity	IH A6610
capacity	15 lpm (4 gpm)
max operating pressure	350 bar (5000 psi)
pilot ratio	3:1
maximum setting	350 bar (5000 psi)
minimum setting	30 bar (500 psi)
pressure increase per turn	136 bar (spring D) - 109 bar (spring M) - 73 bar (spring T) - 27 bar (spring L)
pressure setting established @	cracking pressure (1in3/min)
maximum valve leakage at reseat	5 drops / minute
operating characteristic	standard
reseat	>85%
maximum recommended load pressure at maximum setting	280 bar (4000 psi)
valve hex size (mm)	24
valve installation torque	45-50 Nm (33-37 lbf ft)
adjustment screw internal hex size (mm)	4
seal-lock hex size (mm)	13
seal-lock torque	22-25 Nm (16-18 lbf ft)
valve weight	0.150 Kg (0.33 lbs)
external component surface treatment	zinc plating
seal kit (nbr)	S0A6610SN700000
seal kit (viton)	S0A6610SV700000
temperature range	.-30 to 100°C (-22 to 212°F) with BunaN seals;
fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm^2/s (cSt)
filtration	Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/14

- Turn adjustment clockwise to increase setting
- Backpressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure
- Set your counterbalance valve at least 1.3 times the maximum load induced pressure
- This valve is provided with positive seals between all ports
- Declared reseat value is obtained with valve set @ maximum setting



Performance curves



Seals
A = BUNA + sealed piston
C = VITON + sealed piston
G = BUNA + piombatura + sealed piston
H = VITON + piombatura + sealed piston

C	W	0						0	3	6	6	0	0	A

Spring
L = 30-105 bar
T = 70-150 bar
M = 100-210 bar
D = 200-350 bar

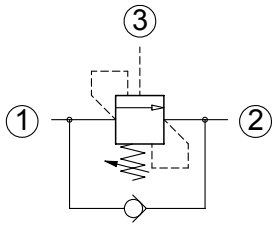
Setting (bar)

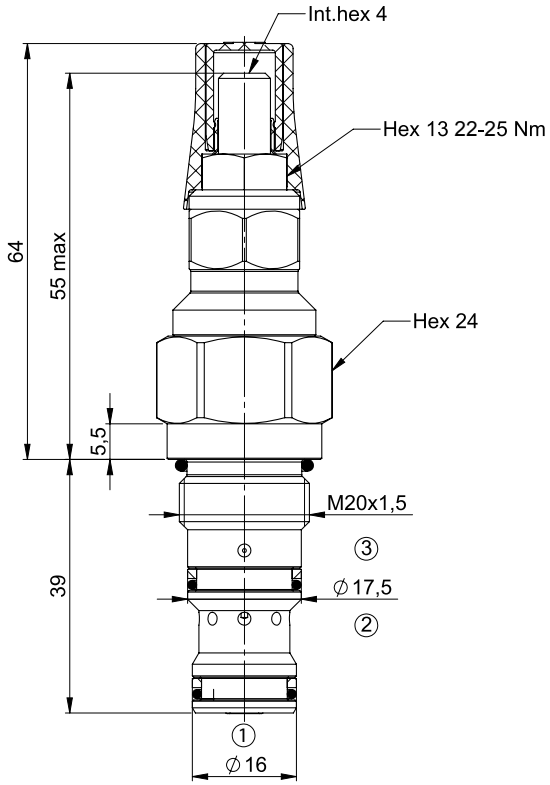
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Load holding valves

Normale i08 4:1 SP adjustable setting **FINE CONTROL**



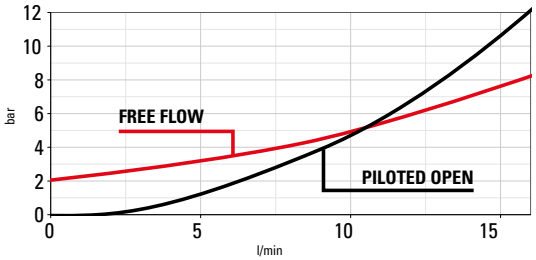




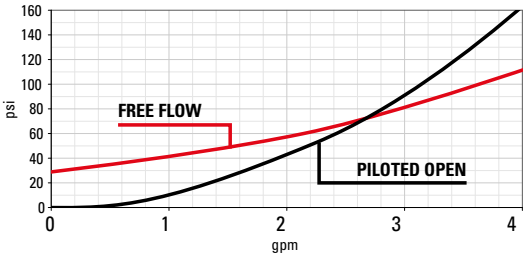
Technical Details

cavity	IH A6610
capacity	15 lpm (4 gpm)
max operating pressure	350 bar (5000 psi)
pilot ratio	4:1
maximum setting	350 bar (5000 psi)
minimum setting	30 bar (500 psi)
pressure increase per turn	136 bar (spring D) - 109 bar (spring M) - 73 bar (spring T) - 27 bar (spring L)
pressure setting established @	cracking pressure (1in3/min)
maximum valve leakage at reseat	5 drops / minute
operating characteristic	standard
reseat	>85%
maximum recommended load pressure at maximum setting	280 bar (4000 psi)
valve hex size (mm)	24
valve installation torque	45-50 Nm (33-37 lbf ft)
adjustment screw internal hex size (mm)	4
seal-lock hex size (mm)	13
seal-lock torque	22-25 Nm (16-18 lbf ft)
valve weight	0.150 Kg (0.33 lbs)
external component surface treatment	zinc plating
seal kit (nbr)	S0A6610SN700000
seal kit (viton)	S0A6610SV700000
temperature range	.-30 to 100°C (-22 to 212°F) with BunaN seals;
fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm^2/s (cSt)
filtration	Nominal value max. 10µm (NAS 8) / ISO 4406 19/17/14

- Turn adjustment clockwise to increase setting
- Backpressure at port 2 adds to the effective relief setting at a ratio of 1 plus the pilot ratio times the backpressure
- Set your counterbalance valve at least 1.3 times the maximum load induced pressure
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Performance curves



Seals
A = BUNA + sealed piston
C = VITON + sealed piston
G = BUNA + piombatura + sealed piston
H = VITON + piombatura + sealed piston

C	W	0						0	4	6	6	0	0	A

Spring
L = 30-105 bar
T = 70-150 bar
M = 100-210 bar
D = 200-350 bar

Setting (bar)

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