

PRODUCT OVERVIEW 2022

Pneumatic Recoil-Generating Drop-in Laser Conversions for Real Firearms

TRS TETHERLESS
RECOIL
SYSTEM™



ARS AIR
RECOIL
SYSTEM™



SRS™
SHOTGUN
RECOIL
SYSTEM



TRS

TETHERLESS RECOIL SYSTEM™

Overview

The Tetherless Recoil System is the industry standard in drop-in recoil systems for semi-automatic and select-fire automatic firearms.

TRS kits are designed to work with magazines containing CO₂ gas. The TRS system allows realistic training with semiautomatic pistols and long guns. Our system utilizes compressed CO₂ to generate simulated recoil by acting on the gun's bolt or slide to "cycle" the gun, thereby resetting the trigger mechanism. An integrated laser device is also incorporated and may be used to activate special targets or simulator screens.

Each "shot" is initiated by the strike of the unmodified hammer or firing pin – producing both recoil and a laser pulse. Using compressed gas instead of ammo provides the opportunity to fire many simulated rounds at a fraction of the cost of live rounds!

Our TRS (Tetherless Recoil System) kits represent our flagship product line due to the realism and consistency of recoil, ability to withstand prolonged sustained rapid fire, and high-fidelity form factor for holster training,



Advantages of the TRS System

- **UNTETHERED MOBILITY** - Internal CO₂ gas storage offers unlimited training mobility.
- **EASY CONVERSION** - Each system is designed to quickly drop into place without special tools and to convert a regular firearm into an effective training weapon, which does not use ammunition.
- **COST-EFFECTIVE** - Using compressed gas instead of ammo gives the opportunity to fire many simulated rounds at a negligible cost.
- **REVERSIBLE** - After a training session, the entire assembly can be quickly removed from the handgun or rifle, making the weapon available again for use with live ammunition.
- **REAL GUN REALISM** - Trigger is not altered in any way so shooter can practice with the actual original trigger. The mechanism operates at correct cyclic rate while producing noticeable recoil and blast.






- **SOPHISTICATED LASER** - Laser pointer activates electronic targets (optional). Invisible (infrared) and visible lasers available. All lasers comply with relevant national and international standards.
- **QUALITY** - All components are made of high-quality corrosion-resistant stainless materials.

TRS Kits for Semiautomatic Pistols

Each TRS Kit for a Pistol Includes:

- **LASER POINTER** - Transmits a beam of light at each shot to activate targets. Many types of visible and invisible IR (infra-red) lasers are available to work with variety of simulator target systems. Screws into the muzzle for true bore-axis alignment (see page 11 for details).
- **CONVERSION BARREL** - Replaces original barrel and produces simulated recoil each time the gun is "fired". Includes barrel body, internal valve, laser emitter, piston, interface block.
- **RECOIL SPRING / RECOIL SPRING ASSEMBLY** - Uses a slightly reduced power spring.
- **MAGAZINE** - Holds compressed CO₂. Replaces the original magazine.
 - 3 types available: Windowed, Refillable, or Tethered (see page 9 for details).
 - Additional magazines can be purchased separately.

TRS PISTOL KIT	ITEM CODE	COMPATIBLE FIREARMS
	TRS-19115	Colt 1911 and clones using a single stack magazine, and with 5 inch government bushing chambered in .45 ACP etc. <i>IN DEVELOPMENT – Please contact us for details.</i>
	TRS-BCEN	Beretta Centurion Models 92 or 96 compact pistols, including D models. For pistols chambered in 9x19mm or .40 S&W.
	TRS-BE92	Beretta Model 92 full size pistols, including D models. Also fits model 96 and M9 chambered in 9x19mm or .40 S&W.
	TRS-BPX4	Beretta PX4 Storm full size pistols, chambered in 9x19mm. <i>Note: Host firearm requires a gunsmithing modification. Contact us for details.</i>
	TRS-BRHP	FN Browning High Power full size pistols, 9x19mm. <i>Also fits Argentine FM90 & exact clones. Contact us about approximate clones from 2022 Springfield Armory, 2022 FN, Tanfoglio, Girsan, etc.</i>
	TRS-CARF	UAE Caracal "F" or full-size pistols 9x19mm. <i>IN DEVELOPMENT – Please contact us for details.</i>
	TRS-CZ75	ČZ-75 handgun, full size, 9x19mm <i>Contact us for clones by Tanfoglio/EAA Witness and– contact us for details.</i>

TRS PISTOL KIT	ITEM CODE	COMPATIBLE FIREARMS
 NEW	TRZ-CZP09	ČZ P-07 pistol, 9x19mm. <i>Contact us about P-10 or P-10c.</i>
 NEW	TRZ-CZP09	ČZ P-09 pistol, 9x19mm. <i>Contact us about P-10 or P-10c.</i>
	TRZ-GL17	Glock 17 <i>Please specify Generation 2, 3, 4, or 5/M when ordering.</i>
	TRZ-GL19	Glock 19. For Glock 19X, please see TRZ-GL45 <i>Please specify Generation 2, 3, 4, or 5/M when ordering.</i>
	TRZ-GL21	Glock 21 <i>Please specify Generation 2, 3, 4, or 5/M when ordering.</i>
	TRZ-GL22	Glock 22 and 31 <i>Please specify Generation 2, 3, 4, or 5/M when ordering.</i>
	TRZ-GL23	Glock 23 <i>Please specify Generation 2, 3, 4, or 5/M when ordering.</i>
	TRZ-GL26	Glock 26 <i>Please specify Generation 2, 3, 4, or 5/M when ordering.</i>
	TRZ-GL45	Glock 45, or Glock 19X. 
	TRZ-USPC	H&K USP Compact chambered in 9x19mm.

TRS PISTOL KIT	ITEM CODE	COMPATIBLE FIREARMS
	TRS-USP9	H&K USP chambered in 9x19mm.
	TRS-USP40	H&K USP chambered in .40 SW.
	TRS-HKVP9	H&K VP9 <i>IN DEVELOPMENT – Please contact us for details.</i>
	TRS-P2000-9	H&K P2000 chambered in 9x19 mm.
	TRS-P2000	H&K P2000 chambered in .40 SW.
	TRS-P30L	H&K P30 Long-slide, chambered in 9x19mm.
	TRS-LA82	Llama Model 82
	TRS-P226	SigSauer P226, chambered in 9x19mm or .40 SW / .357 Sig.
	TRS-P229	SigSauer P229. Please specify chambering 9x19mm or .40 SW / .357 Sig. when ordering
	TRS-SPRO	SigSauer SigPro or SP2022 chambered in 9x19mm.
	TRS-P320	SigSauer P320 Full size 9x19mm or M17 pistol <i>Contact us for .40 SW / .357 Sig version.</i>



TRS PISTOL KIT	ITEM CODE	COMPATIBLE FIREARMS
	TRS-P320Y	SigSauer P320m Carry size or M18 pistol . Available for 9x19mm or .40 SW / .357 Sig. models, please specify when ordering.
	TRS-P320C	SigSauer P320m Compact . Available for 9x19mm or .40 SW / .357 Sig chamberings, please specify when ordering.
	TRS-SWMP	Smith & Wesson M&P chambered in 9x19mm or .40 SW, 4.25 inch barrel, M2.0 or original.
	TRS-SW45	Smith & Wesson M&P chambered in .45 ACP, 4.5 inch barrel.
	TRS-SW5946	Smith & Wesson 5946, in 9x19mm
	TRS-T100	Taurus PT100, model 92 full size pistols 9x19mm or .40 caliber
	TRS-T917	Taurus PT917 compact pistols 9x19mm or .40 caliber

TRS Rifle and Submachine Gun Kits

Each TRS Rifle Kit Includes:

- **LASER POINTER** - Transmits a beam of light at each shot to activate targets. Many types of visible and invisible IR (infra-red) lasers are for various simulator target systems. See page 11 for mounting options.
- **ACTUATOR** - Replaces original bolt carrier and produces simulated recoil each time the gun is "fired".
- **MAGAZINE** - Holds compressed CO₂. Replaces the original magazine. TRS rifle and submachine kits are available with Refillable magazines; TRS-M16 is also available with a Windowed magazine). Tethered magazines available by special order. See [page 9](#) for details on TRS magazine types.

TRS RIFLE / SMG KIT	ITEM CODE	COMPATIBLE FIREARMS
	TRS-M16	AR-15, M-16, M-4 rifles and carbines chambered in .223 / 5.56x45 mm. Refillable or Windowed magazines available.

TRS RIFLE / SMG KIT	ITEM CODE	COMPATIBLE FIREARMS
	TRS-G36	Heckler & Koch G36 style rifles and carbines. Refillable magazine. Contact us for available chamberings.
	TRS-MP5	H&K MP5 submachinegun in 9x19 mm and its clones.
	TRS-MP5K	H&K MP5 Compact submachinegun in 9x19 mm. Refillable magazine.
	TRS-HK33	HK33, HK43 and HK93 rifles chambered .223 / 5.56x45 mm, including clones. <i>IN DEVELOPMENT – Please contact us for details.</i>
	TRS-FAL	FN FAL rifles and various clones. <i>IN DEVELOPMENT – Please contact us for details.</i>
	TRS-AK47	AK-47 in 7.62x39 mm, and various clones
	TRS-AK74	AK-74 chambered in .223/5.56x45 mm and various clones <i>IN DEVELOPMENT – Please contact us for details.</i>
	TRS-GAL5	GALIL AR, ARM, SAR chambered in .223 / 5.56x45 mm, and clones. <i>Contact us for version chambered in 7.62x51 mm.</i>
	TRS-FN16	FN SCAR chambered in .223 / 5.56x45 mm
	TRS-FN17	FN SCAR in chambered in .308 Winchester / 7.62x51 mm
	TRS-X95	For IWI X95 Micro Tavor chambered in .223 / 5.56x45 mm
	TRS-AUG	Steyr AUG and F88, chambered in .223 / 5.56x45 mm <i>IN DEVELOPMENT – Please contact us for details.</i>
	TRS-P90	FN model P90 and PS90 <i>IN DEVELOPMENT – Please contact us for details.</i>
	TRS-UZI9	UZI – 9x19mm <i>IN DEVELOPMENT – Please contact us for details.</i>

TRS Magazines

TRS magazines are available in 3 types. The standard color is blue. Extra magazines can be ordered separately.

MAGAZINE IMAGE	MAGAZINE TYPE	AVAILABILITY
	Windowed magazine - Uses 12 gram disposable CO ₂ cartridges. W magazines for pistols can also be refilled Item code format: TRS-xxx-MAG-W	<ul style="list-style-type: none"> • Most handgun models. • TRS-M16 kit for AR-15/M16/M4 rifle
	Refillable magazine	<ul style="list-style-type: none"> • All rifle models.
		

Item code format: **TRS-xxx-MAG-F**

- All handgun models.

Tethered TRS magazine

Order code format: **TRS-xxx-MAG-T**

Contact us for availability.

Technical Information about TRS and SRS kits

- All TRS Kits will work in Semi-Auto, Burst and/or Full-Auto capabilities. However, prolonged full auto use is limited due to rapid cooling of CO₂ system. For extensive fully automatic and/or rapid fire, we recommend the **ARS Air Recoil System**, listed in this catalog.
- **Please note** - Firearm NOT included with kits!



NOTE: All TRS Lasers are Class 3R lasers and emit laser radiation.

LASER LIGHT, AVOID DIRECT EYE EXPOSURE!

(Other classes of laser may be available – Contact us for details)

- Operating pressure – 900 psi (61 ATM).

SRS - Tetherless Recoil System for Shotguns

An SRS kit is powered by CO₂ stored in a replacement barrel, and includes:

- **LASER POINTER** - Transmits a beam of light at each shot to activate targets. Many types of visible and invisible IR (infra-red) lasers are available to work with variety of simulator target systems. Screws into the muzzle for true bore-axis alignment (see laser chapter)).
- **BARREL** - replaces original barrel and produces simulated recoil every time the gun is “fired”.

SRS™
SHOTGUN
RECOIL
SYSTEM

TRS SHOTGUN KIT	ITEM CODE	COMPATIBLE FIREARMS
	SRS-R870	For standard Remington 870, including Police Magnum.
	SRS-R870TE	For Tactical Express.
	SRS-MCS870	For MCS 870 version.
	SRS-M500	For Mossberg 500
	SRS-M590	For Mossberg 590A1
<i>LAUNCHING IN EARLY 2020</i>		
	SRS-W1200	Winchester 1200 12 gauge pump action shotgun <i>IN DEVELOPMENT – Please contact us for details.</i>
	SRS-BIM4	Benelli M4 semiautomatic 12 gauge shotgun <i>IN DEVELOPMENT – Please contact us for details.</i>

- Standard specifications:
- 12 gauge chambering.
 - 20 inch barrel.
 - Bead front sight (contact us for custom options).




- Standard specifications:
- 12 gauge chambering.
 - 20 inch barrel.
 - Bead front sight (contact us for custom options).

Fill Devices (also see the map on the [next page](#))

For optimal operational convenience and cost-effectiveness, we highly recommend using large sources of CO₂ (instead of using disposable 12 gram cartridges that need to be discarded and replaced). All Refillable magazines must be re-filled from a larger CO₂ source using a fill device. Handgun windowed magazines can also be refilled in this manner. For optimal performance, TRS magazines and SRS kits must be charged with liquid CO₂. Therefore, if charging from paintball bottles, **ensure that the paintball bottle is upside down**. If charging from a large cylinder tank, use a **CO₂ cylinder tank with a siphon tube** (“dip tube”).

WARNING: We strongly advise against attempting to orient a CO₂ tank without a siphon tube in any position other than upright, due to serious risk of injury and/or property damage.

FILL DEVICE	ITEM CODE	DESCRIPTION
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	<p>TRS-FILL1</p>	<p>TRS Fill Nozzle</p> <ul style="list-style-type: none"> • Used for filling TRS magazines with CO₂ from a large cylinder CO₂ tank with an internal siphon tube (“dip tube”) with a CGA320 thread fitting. • Other mounting threads available for international customers.
	<p>TRS-FILL2</p>	<p>TRS Fill Block</p> <ul style="list-style-type: none"> • Used for filling TRS magazines with CO₂ from a pin-valve “paintball style” CO₂ bottle. • Mounts on a table with a clamp. • Tank available separately.
	<p>TRS-FILL3</p>	<p>Fill Wand</p> <ul style="list-style-type: none"> • Used for filling TRS magazines with CO₂ from a large cylinder CO₂ tank with an internal siphon tube (“dip tube”). • Attached to approx. 2 foot / 60 cm long braided tube. • Available for fitting types CGA320, DIN 477-6, or similar.

Map of CO2 Options for TRS and SRS Recoil Kits



REFILLABLE CO₂ VESSELS

CO₂ PAINTBALL FILLING STATION TFILL

Replenish your paintball-style pin valve CO₂ bottle from a cylinder CO₂ tank with a siphon tube



PAINTBALL-STYLE PIN VALVE CO₂ BOTTLE, 20 OZ, PB20



90 G
3.2 OZ
88 G CO₂
CARTRIDGE



DISPOSABLE CO₂ CARTRIDGES

12 GRAM CO₂ CARTRIDGE, UNTHREADED



THREAD CONVERTER, 90 G TO PAINTBALL DVA01



LARGE CYLINDER CO₂ TANK WITH A SIPHON TUBE (DIP TUBE)
COMPATIBLE FITTING:
CGA320 OR DIN 477-6



FILL WAND
TRS-FILL3
Includes a 3-ft (90cm) hose



FILL NOZZLE
TRS-FILL1

TRS FILL BLOCK
TRS-FILL2
Includes a table mount



REPLENISH CO₂ BY CHANGING THE 12 GRAM CO₂ CARTRIDGE



TRS REFILLABLE MAGAZINES
TRS-XXXX-MAG-F



TRS WINDOWED MAGAZINES
TRS-XXXX-MAG-W



SRS SHOTGUN BARREL (REFILLABLE)
SRS-XXXX

REPLENISH CO₂ FROM A LARGE CO₂ VESSEL USING A FILL DEVICE

LASER ACCESSORIES

for TRS, SRS, and ARS recoil kits

Lasers for Your Simulator

We furnish our recoil kits with high quality lasers that can be customized to your requirements. To ensure compatibility with your desired target system, please specify the following attributes the ordering:

- **Pulse duration** – measured in milliseconds (ms).
- **Wavelength** – measured in nanometers (nm).
- **Modulation** – measured in kilohertz (kHz).
- **Peak power** – defined as a Class, or measured in milliwatts (mW).

Ordering Replacement lasers

When ordering replacement lasers, please specify:

- The serial number of the original laser.
- The model of the host firearm
- All known information about pulse length, wavelength, modulation, peak power.



TRS/ARS Lasers for Handguns

Handgun recoil kits require a specific size laser to ensure free travel of the slide. Therefore, the size of the laser bezel is determined by the outer diameter of the TRS or ARS barrel. However, the sensitivity of the laser must be appropriate to the type of handgun – therefore do not mix and match lasers. Contact us with the laser serial number if you wish to confirm your laser's specifications.

TRS/ARS Lasers for Rifles/SMGs/MGs

We offer three types of mounts for long guns:

- **Barrel clamp style** (item code LM-U2) – This is the most popular option, because the laser is well protected against accidental impact in training. Metal-on-metal contact offer the highest reliability. The laser is approximately half way between the line of the bore and the line of sight, which impacts the mechanical off-set.
- **Threaded barrel mount** – Offered for AK-47 pattern and AR-15 pattern rifles. Suitable when the line of sight and line of bore mechanical offset is important, or where the front sight position close to the muzzle would require other than 12 o'clock orientation of clamp on laser. Metal-on-metal contact offer the highest reliability.
- **Mandrel Laser Mount** – Suitable for submachine guns and other firearms that are not compatible with Clamp on or threaded mounts due to the position of the front sight or lack of muzzle thread.



SRS Lasers for Shotguns

Currently available in pulse lengths at 10ms or shorter. Contact us for updates.



LASER ITEM	ITEM CODE	DESCRIPTION
 <p>LR2</p> <p>LR3</p> <p>LR4</p> <p>BAT-392</p>	<p>LR2 LR3 LR4</p> <p>BAT-392</p>	<p>Laser Module only – 15mm Laser Module only – 14.5mm Laser Module only – 13.5mm</p> <p>Battery pack for Laser Module (3 count) Note: Each laser requires 3 battery cells</p>
	<p>SG-IR / SG-VR</p> <p>CVBAT21</p>	<p>SRS Laser Module (infra-- red or visible red).</p> <p>Battery pack (2 count) for SRS Laser Module Note: Each SRS laser requires 2 battery cells</p>
	<p>LM-5.56</p>	<p>Mandrel laser mount for barrels with a 5.56mm / .22 caliber bore.</p>
	<p>LM-7.62</p>	<p>Mandrel laser mount</p> <ul style="list-style-type: none"> • Fits in the bore of 7.62mm or .30 caliber barrels. • Suitable for barrels that with permanently attached muzzle devices or unthreaded muzzles
	<p>LM-9</p>	<p>Mandrel laser mount Fits barrels 9x19mm or .357/.38 caliber.</p>
	<p>LM-U2</p>	<p>Universal “barrel clamp” mount Fits barrels outer diameter from 14.4mm to 22mm</p>
	<p>LM-AR</p>	<p>Threaded barrel mount for AR-15/M4/M16 rifles and equivalent thread.</p>
	<p>LM-AK</p>	<p>Threaded barrel mount for AK47 type rifles</p>

Note: Lasers or batteries are normally not included with mounts, unless specified when ordering.

ARS AIR RECOIL SYSTEM™

Overview

The ARS system is a drop-in, compressed gas activated recoil system for semi-automatic and automatic firearms. The ARS system allows realistic training on real pistols and rifles.

The system utilizes compressed air, nitrogen, or CO₂ to simulate recoil by acting on the gun's bolt or slide to "cycle" the gun.

An integrated laser device is also incorporated and may be used to activate special targets or simulator screens.

Each "shot" is initiated by the strike of the unmodified hammer – producing both recoil and a laser pulse.

Advantages of the ARS System

- **UNINHIBITED FIRING CADENCE** - All ARS kits in Semi-Auto, Burst and/or Full-Auto capabilities. ARS kits are powered by vapor, and therefore enable very rapid (including fully automatic) and/or sustained rate of fire.
- **VARIETY OF GAS SOURCES** - ARS Systems are designed to work with an external source of compressed air, nitrogen, or CO₂, as specified when ordering. Portable and static gas feed options available.
- **POPULAR MODELS** - Recoil kits are available for most popular pistols and many rifles and machine guns.
- **EASY INSTALLATION** - Each system is designed to quickly drop into place without special tools and to convert a regular firearm into an effective training weapon, which does not use ammunition.
- **COST EFFECTIVE** - Using compressed gas instead of ammo gives the opportunity to fire many simulated rounds at a negligible cost.
- **REVERSIBLE CONVERSION** - After a training session, the entire assembly can be quickly removed from the handgun or rifle, making the weapon available again for use with live ammunition.
- **REAL GUN REALISM** - Trigger is not altered in any way so shooter can practice with the actual original trigger. The mechanism operates at correct cyclic rate while producing noticeable recoil and blast.
- **OPTIONAL SIDE AIR CONFIGURATION** - Gas feed through the ejection port allows magazine manipulation drills
- **SOPHISTICATED LASER** - Laser pointer activates electronic targets (optional). Invisible (infrared) and visible lasers available. All lasers comply with relevant national and international standards.
- **QUALITY** - All components are made of high quality corrosion-resistant stainless materials.



Technical Information about ARS kits

- Firearms NOT included with kits!








NOTE: All TRS Lasers are Class 3R lasers and emit laser radiation.
LASER LIGHT, AVOID DIRECT EYE EXPOSURE!
 (Other classes of laser may be available – Contact us for details)

- Operating Pressure:
 - Standard ARS handgun kits is 140-150psi (10 atm).
 - High Pressure ARS kits for machine guns: 900 psi (61 atm).

ARS Kits for Semiautomatic Pistols

Each Handgun System Includes:

- **LASER POINTER** - Transmits a beam of light at each shot to activate targets. Many types of visible and invisible IR (infra-red) lasers are available to work with variety of simulator target systems. Screws into the muzzle for true bore-axis alignment (see pages 11-12 for details).
- **CONVERSION BARREL** - Replaces original barrel and produces simulated recoil each time the gun is “fired”. Includes barrel body, internal valve, laser, piston, interface block.
- **RECOIL SPRING / RECOIL SPRING ASSEMBLY** - Uses a slightly reduced power spring.
- **INTERFACE BLOCK** - Mates with magazine to supply compressed air the barrel.
- **MAGAZINE** - Connects with interface block and air coupler.
- **GAS COUPLER** - Brings compressed air or gas to the pneumatic actuator.

ARS PISTOL KIT	ITEM CODE	COMPATIBLE FIREARMS
	ARS-BCEN	Beretta Centurion Models 92 and 96 compact pistols, including D models. Chambered in 9x19mm or .40 SW.
	ARS-BE92	Beretta Model 92, Model 96 and M9 – Chambered in 9x19mm or in .40 SW.
	ARS-CARF	UAE Caracal “F” or Full size pistols, chambered in 9x19mm. <i>IN DEVELOPMENT – Please contact us for details.</i>
	ARS-1911	Colt 1911 and clones using a Single Stack Magazine – Chambered in .45 ACP and others. <i>Note: Host firearm may require a gunsmith modification. Contact us for details.</i>
	ARS-M973	Imbel M973 and other single stack 1911 clones in 9x19mm <i>Note: Host firearm may require a gunsmith modification. Contact us for details.</i> <i>IN DEVELOPMENT – Please contact us for details.</i>

ARS PISTOL KIT	ITEM CODE	COMPATIBLE FIREARMS
	ARS-1911D	Model 1911 clones using a Double Stack Magazine, fits Para-Ordnance pistols in .45 ACP. Supports all wide-body frames <i>Note: Host firearm may require a gunsmith modification. Contact us for details.</i>
	ARS-GL17	Glock 17 – Chambered in 9x19mm <i>Please specify Generation 2, 3, 4, or 5/M when ordering.</i>
	ARS-GL19	Glock 19 – Chambered in 9x19mm <i>Please specify Generation 2, 3, 4, or 5/M when ordering.</i>
	ARS-GL21	Glock 21 – Chambered in .45 ACP <i>Please specify Generation 2, 3, 4, or 5/M when ordering.</i>
	ARS-GL22	Glock 22 (.40 SW). Also fits Glock 31 (.357 Sig). <i>Please specify Generation 2, 3, or 4 when ordering.</i>
	ARS-GL23	Glock 23 – Chambered in .40 SW. <i>Please specify Generation 2, 3, or 4 when ordering.</i>
	ARS-P2000	H&K P2000 – Chambered in .40 SW.
	ARS-USP	H&K USP – Chambered in .40 SW.
	ARS-P30L	H&K P30 Longslide - Chambered in 9x19mm.
	ARS-P220	Sig Sauer Model P220 - Chambered in .45 ACP.


ARS PISTOL KIT	ITEM CODE	COMPATIBLE FIREARMS
	ARS-P226	Sig Sauer Model P226 - Chambered in 9x19mm.
	ARS-P228	Sig Sauer Model P228 – Chambered in 9x19mm.
	ARS-P229	Sig Sauer Model P229 – Chambered in .40 SW.
	ARS-SWMP	Smith & Wesson M&P chambered in 9x19mm or .40 SW, 4.25 inch barrel, M2.0 or original.
	ARS-SWMP45	Smith & Wesson M&P pistol. 4.25 inch barrel. Chambered in .45 ACP. Fits M2.0 or original.
	ARS-XD45	Springfield XD, chambered in .45 SW. Barrel Length 4” <i>NOTE: 5 inch barrel length also available on request.</i>
	ARS-T100	Taurus full size pistols, chambered in 9x19mm or .40 SW. Fits Model T92, T96, PT100.
	ARS-T247	Taurus 24/7 Pro pistols, chambered in .40 SW.
	ARS-T247G2	Taurus 24/7 Pro pistols, chambered in 9x19mm.
	ARS-T809	Taurus PT809 pistols, Chambered in 9x19mm.
	ARS-T840	Taurus PT840 Pistols, chambered in .40 SW

ARS PISTOL KIT	ITEM CODE	COMPATIBLE FIREARMS
	ARS-T940	Taurus PT940 Pistols, chambered in .40 SW
	ARS-T917	Taurus PT917 Compact pistols chambered in 9x19mm.

ARS Kits for Rifles and Submachine Guns (SMG)

Each ARS Rifle or Submachine Gun Kit Includes:

- **LASER POINTER** - Transmits a beam of light at each shot to activate targets. Many types of visible and invisible IR (infra-red) lasers are available to work with variety of simulator target systems.
- **ACTUATOR** - Replaces original bolt carrier and produces simulated recoil each time the gun is "fired".
- **MAGAZINE** - takes place of the original magazine, assures proper alignment of actuator and air coupler.
- **GAS COUPLER** - Brings compressed air or gas to the pneumatic actuator.

ARS RIFLE KIT	ITEM CODE	COMPATIBLE FIREARMS
	ARS-M16	M16, AR-15 and M-4 rifles and some clones <i>ARS-M16-SA Side Air option available – Gas feed through the ejection port allows magazine manipulation drills</i>
	ARS-MP5	H&K MP5 – 9x19mm
	ARS-MP5K	H&K MP5K Compact – Chambered in 9x19mm
	ARS-AK47	AK47 – Chambered in 7.62x39 mm <i>ARS-AK47-SA Side Air option available – Gas feed through the ejection port allows magazine manipulation drills.</i>

Spare Parts/Maintenance Kits for ARS-M16 system



ITEM NUMBER	DESCRIPTION
ARS-M16-MK1	Includes: O-rings, Springs, Retaining rings, Roll pins, No tools
ARS-M16-MK2	Includes: O-rings, Springs, Retaining rings, Roll pins, Firing pin, Valve Internals, Tools: None
ARS-M16-MK3	Includes: O-rings, Springs, Retaining rings, Roll pins, Firing pin, Valve Internals, Tools: Pin punch, hammer, snap ring pliers

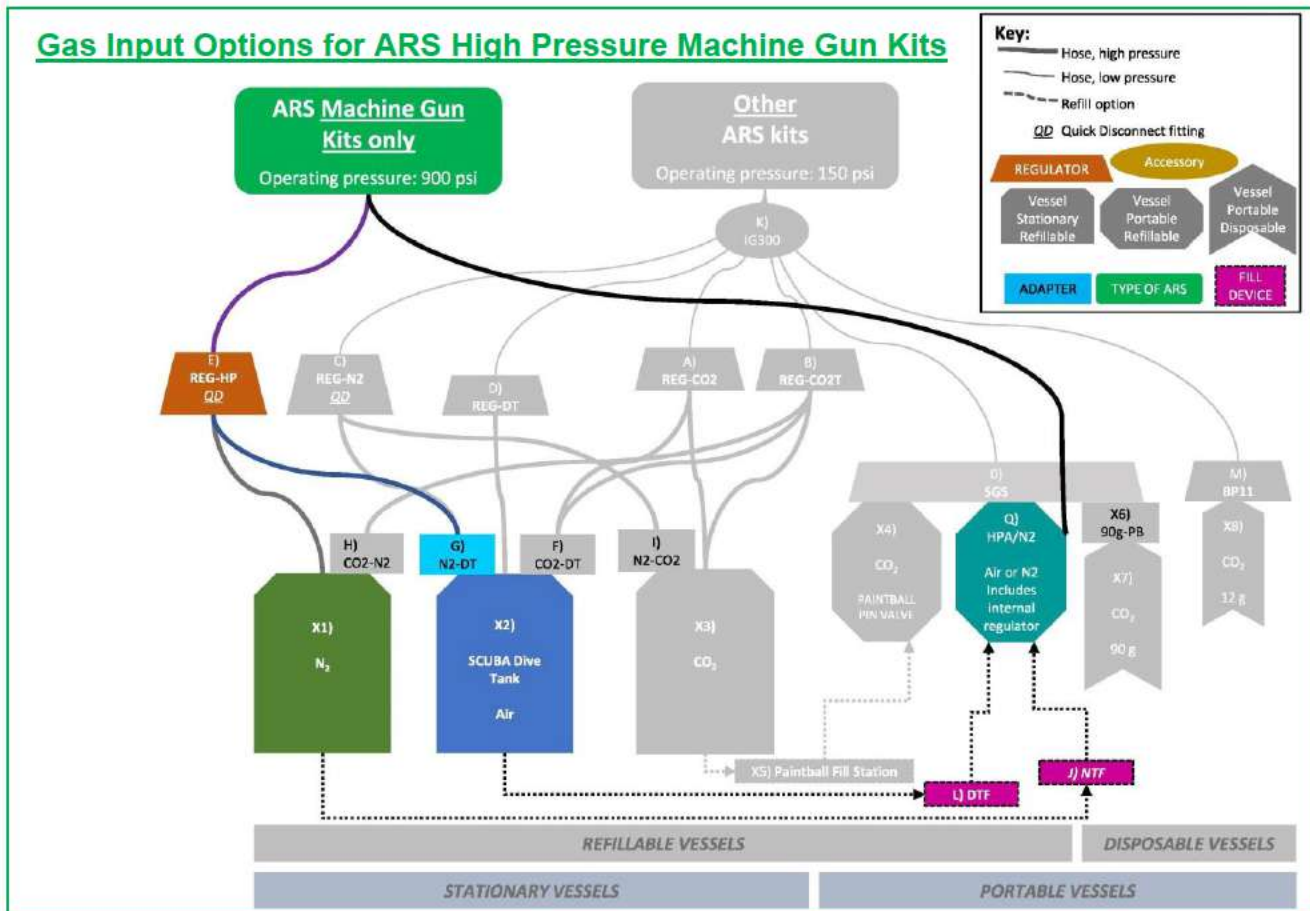
ARS High Pressure (HP) Machine Gun Systems

Each ARS High Pressure Kit for a machine gun includes:














- **LASER POINTER** - Transmits a beam of light at each shot to activate targets. Many types of visible and invisible IR (infra-red) lasers are available to work with variety of simulator target systems.
- **ACTUATOR** - Replaces original bolt carrier and produces simulated recoil each time the gun is "fired".
- **MAGAZINE** - takes place of the original magazine, assures proper alignment of actuator and air coupler.
- **GAS COUPLER** - Brings compressed air or gas to the pneumatic actuator.

ARS Systems are designed to work with compressed air, nitrogen or CO₂. Please specify gas source when ordering. All Kits will work in Semi-Auto, Burst and/or Full-Auto capabilities.





ARS HP KITS	ITEM NUMBER	COMPATIBLE FIREARMS
	ARS-M240	FN M240 7.62 mm Machine Gun conversion kit. Includes ARS-HP-68REG. Operating Pressure: 900 psi Contact us for Tetherless options.
	ARS-M249	FN M249 Machine Gun conversion kit. Includes ARS-HP-68REG. Operating Pressure: 900 psi Contact us for Tetherless options.
	ARS-M249-MK1	O-rings, Springs, Retaining rings.
	ARS-M249-MK2	O-rings, Springs, Retaining rings, Valve Internals
	ARS-M249-MK3	O-rings, Springs, Retaining rings, Valve Internals, Snap ring pliers

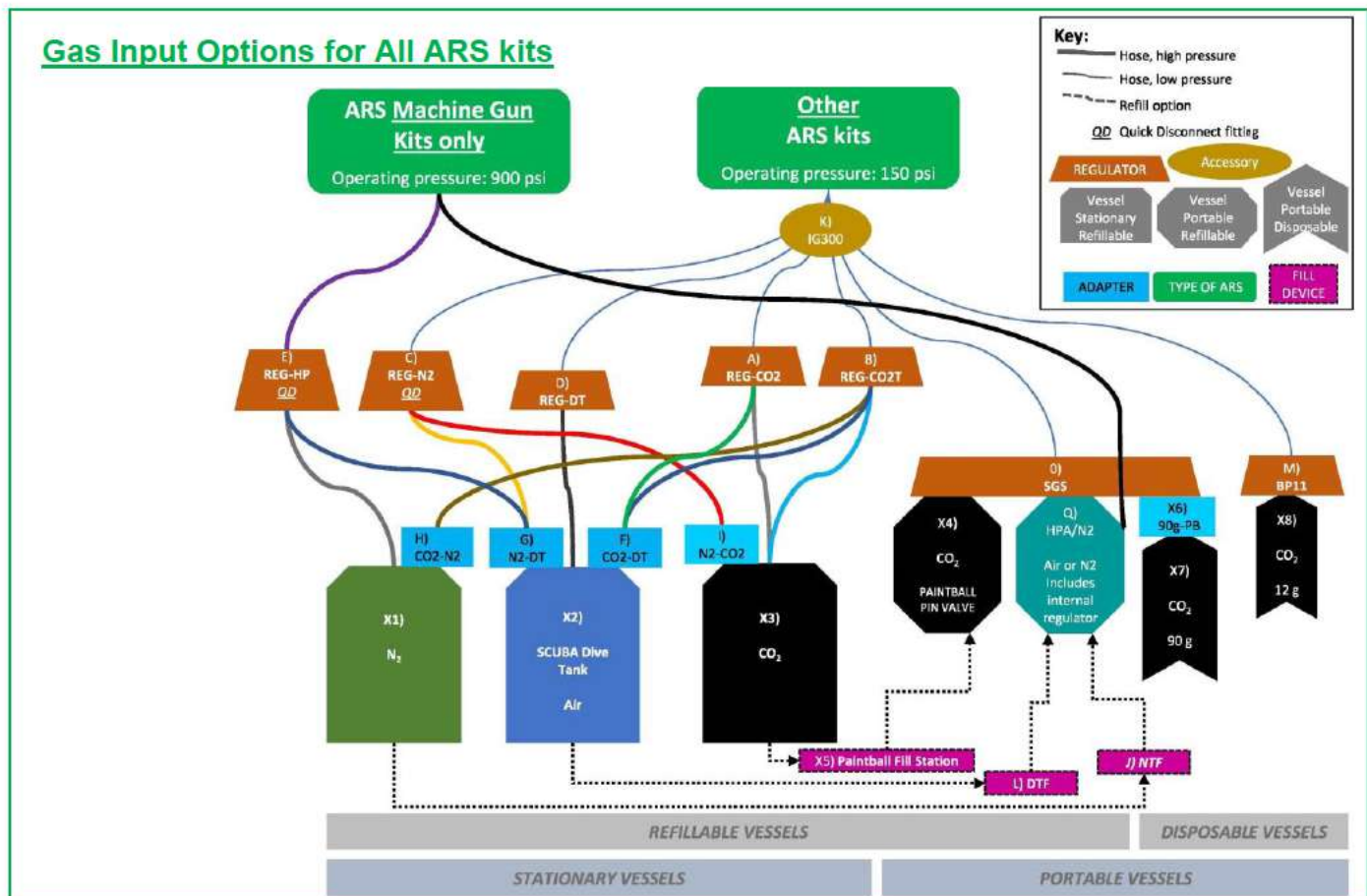


Compressed Gas Solutions

ITEM IMAGE	ITEM NUMBER	DESCRIPTION
	ARS-REG-CO2	Regulator for stationary CO ₂ tank with 3ft air hose and quick disconnect coupling. Output pressure adjustable 0-150 PSI.
	ARS-REG-CO2T	Regulator for stationary CO ₂ tank with tamper-proof pressure setscrew and quick disconnect coupler. Output pressure adjustable 0-150 PSI. Color-coded gage for CO ₂ quantity in tank. Cannot be used with other gases, input pressure limit 1500 psi.
	ARS-REG-N2	Regulator for stationary nitrogen tank with 3ft air hose and quick disconnect coupling. Output pressure adjustable 0-150 PSI.
	ARS-REG-DT	Regulator for stationary U.S. dive tank with 3ft air hose and quick disconnect coupling. Output pressure adjustable 0-150 PSI.
	ARS-REG-HP	High pressure Regulator for stationary nitrogen tank with quick disconnect coupling. Output Pressure adjustable 0 to 1500 Psi. <i>Suitable only for Machinegun Kits.</i>
	ARS-CO2-DT	Adapter CO ₂ regulator to scuba tank
	ARS-N2-DT	Adapter Nitrogen regulator to scuba tank
	ARS-CO2-N2	Adapter CO ₂ regulator to Nitrogen tank
	ARS-N2-CO2	Adapter Nitrogen regulator to CO ₂ tank
	ARS-3WAY	Three-way air splitter with quick disconnects
	ARS-IG300	Small Inline gage with instant fittings for 5/32" tubing
	ARS-DTF	Dive tank fill adapter for HPA hip tanks
	ARS-NTF	Nitrogen tank fill adapter for HPA hip tanks

Portable CO₂ Solutions (continued next page...)

ITEM IMAGE	ITEM NUMBER	DESCRIPTION
	ARS-BP11	Belt pack 11 - Includes a regulator with belt clip and 8" coiled hose. Weighs 0.7 lbs. Takes standard disposable 12g CO ₂ cartridges, good for 30 to 50 "shots". Factory pre-set output pressure 150 psi, unless specified otherwise.
	ARS-BP20	Belt pack 20 - Includes one CO ₂ tank, 12 oz. capacity, belt pouch, Tabulator regulator and 8" coiled hose. Refillable at paintball stores, or from a larger CO ₂ tank (with a dip tube), by trained personnel, using filler valve apparatus. Factory pre-set output pressure 150 psi, unless specified otherwise. User adjustable.
	ARS-SGS	Stabilator regulator with gauge and Shut-off Includes 6" coiled hose. Fits standard paintball HPA or CO ₂ tanks. Factory pre-set output pressure 150 psi, unless specified otherwise. Provides output pressure of 0-160 psi, user adjustable with 3/16" hex wrench.
	ARS-HP-68REG	HPA tank with an integral high pressure regulator 4500 PSI fill capacity with an output pressure as low as 800 psi. Suitable for machine gun ARS kits. Standard pressure ARS kits require an additional regulator (ARS-SGS) for reducing pressure further to 150 psi. 68 cubic inches internal volume.




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